WATER PROPERTY OBSERVATIONS FROM THE NORTH COAST OCEANIC DYNAMICS EXPERIMENT (NCODE): MAY 1983 - DECEMBER 1985

VOLUME 1

by

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1988

CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 67(1)

Canada

89-00715/

Canadian Data Report Of Hydrography and Ocean Sciences

These reports provide a medium for the documentation and dissemination of data in a form directly useable by the scientific and engineering communities.

Generally, the reports will contain raw and/or analyzed data but will not contain interpretations of the data. Such compilations will commonly have been prepared in support of work related to the programs and interests of the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans.

Data Reports are produced regionally but are numbered and indexed nationally. Requests for individual reports will be fulfilled by the issuing establishment listed on the front cover and title page. Out of stock reports will be supplied for a fee by commercial agents.

Regional and headquarters establishments of Ocean Science and Surveys ceased publication of their various report series as of December 1981. A complete listing of these publications and the last number issued under each title are published in the *Canadian Journal of Fisheries and Aquatic Sciences*, Volume 38: Index to Publications 1981. The current series began with Report Number 1 in January 1982.

Rapport statistique canadien sur l'hydrographie et les sciences océaniques

Ces rapports servent de véhicule pour la compilation et la diffusion des données sous une forme directement utilisable par les scientifiques et les techniciens.

En général, les rapports contiennent des données brutes ou analysées mais ne fournissent pas d'interprétations des données. Ces compilations sont préparées le plus souvent à l'appui de travaux reliés aux programmes et intérêts du service des Sciences et Levés océaniques (SLO) du ministère des Pêches et des Océans.

Les rapports statistiques sont produits à l'échelon régional mais sont numérotés et placés dans l'index à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page de titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et Levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports depuis décembre 1981. Vous trouverez dans l'index des publications du volume 38 du *Journal canadien des sciences halieutiques et aquatiques*, la liste de ces publications ainsi que le dernier numéro paru dans chaque catégorie. La nouvelle série a commencé avec la publication du Rapport n° 1 en janvier 1982.

Canadian Data Report of Hydrography and Ocean Sciences No.67(1)

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Cat. No. Fs 97-16/67 ISSN 0711-6721

Correct citation for this publication:

Thomson, R.E., W.R. Crawford and W.S. Huggett. 1988. Water property observations from the North Coast Oceanic Dynamics Experiment (NCODE): May 1983 - December 1985. Can. Data Rep. Hydrogr. Ocean Sci. 67: (Volume 1) 315p.

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ABSTRACT

Thomson, R.E., W.R. Crawford and W.S. Huggett. 1988 Water property observations from the North Coast Oceanic Dynamics Experiment (NCODE): May 1983 - December 1985. Can. Data Rep. Hydrogr. Ocean Sci. 67: (7 Vols.).

This report presents listings of water property data collected during the North Coast Oceanic Dynamics Experiment (NCODE). Listings include temperature, salinity, density, sound speed and dynamic height anomaly based on CTD profiles together with temperature, salinity and dissolved oxygen content obtained from water samples.

Key words: Queen Charlotte Islands; British Columbia Coast.

RÉSUMÉ

Thomson, R.E., W.R. Crawford and W.S. Huggett. 1988. Water property observations from the North Coast Oceanic Dynamics Experiment (NCODE): May 1983 - December 1985. Can. Data Rep. Hydrogr. Ocean Sci. 67: (7 Vols.).

Le présent rapport fournit des listes de données sur les propriétés de l'eau recueillies au cours de l'Expérience sur la côte nord de la Colombie-Britannique. Les listes renferment des données sur la température, la salinité, la densité, la vitesse du son et l'anomalie géopotentielle, basées sur les profils de CTP de même que des données sur la température, la salinité et la teneur en oxygène dissous obtenues à partir d'echantillons d'eau.

Mots-clés: Îsles de la Reine-Charlotte; côte de la Colombie-Britannique.

ACKNOWLEDGEMENTS

We wish to thank the officers and crews of the CSS Parizeau and CFAV Endeavour for their cooperation during the CTD and mooring operations of the experiment. We also acknowledge the technical staffs of Ocean Physics and Tides and Currents Sections who enthusiastically participated in the cruises, including: J. Love, B. Minkley, C. de Jong, F. Hermiston, R. Bigham, D. English and F. Stephenson. Computational and drafting assistance was kindly provided by J. Linguanti, D. Francis, M. Cannon and P. Kimber.

INTRODUCTION

The North Coast Oceanic Dynamics Experiment is a cooperative Institute of Ocean Sciences investigation of the circulation and water property variability off the north coast of British Columbia. Particular emphasis is on the spatial and temporal structure of the currents along the west coast of the Queen Charlotte Islands and within Dixon Entrance and Hecate Strait. Moored arrays of current meters, pressure gauges and wind stations formed the core of the field program. Observations of the temperature, salinity and dissolved oxygen fields encompassing the moored arrays were obtained during quasi-synoptic ship surveys.

The purpose of this report is to make available the CTD and Niskin bottle data obtained during ship surveys that covered the moored arrays. The times of the CTD surveys are summarized in Table 1. The station positions for each cruise are presented in a map preceding the data set. Data from moored instruments will be presented in subsequent reports.

Table 1. Summary of oceanographic ship surveys during the North Coast Oceanic Dynamics Experiment.

CRUISE ID	SURVEY PERIOD
83-10	3-19 May, 1983
83-11	10-15 July, 1983
83-12	7-26 September, 1983
84-10	11-24 January, 1984
84-11	11-26 April, 1984
84-14	14-31 October, 1984
85-10	26 June - 9 July, 1985
85-14	5-8 December, 1985

CTD OBSERVATIONS

Profiles of water properties were obtained using a 8700-series Guildline CTD lowered from the stern of the research vessel via a 5/16" (8 mm) diameter, 7-conductor armorgraph cable. Output from the probe consisted of analogue voltages of temperature, conductivity and pressure calibrated for the full-scale ranges of 0 to 25°C, 0 to 40‰ and 0 to 1500 dbar, respectively. The probe output was connected to a Guildline deck unit where part of the signal was converted to temperature, salinity and pressure values for plotting on calibrated graph paper. These traces provided real-time displays of the temperature and salinity profiles and served as back-up to the tape storage system. The remaining branch of the output signal was input into a 2100-series HP computer, digitized at a rate of 10 samples per second and stored on a 9-track magnetic tape through a HP7970B digital unit. For variable rates of probe descent from 0.5 to 1.5 ms^{-1} this yielded vertical scale resolutions of order 10 cm. As well as being recorded on tape, digitized records were converted and listed every 5 m on a high speed printer. This allowed real-time monitoring of tape recorded data and enabled the operator to safely lower the probe to within a few metres of the seafloor. (On the continental shelf, the probe was usually lowered until it touched bottom, as indicated by a sudden slackening of the CTD wire.) During each cruise, the absolute zero-depth voltage offset was established with the temperature and conductivity sensors a few centimetres below the sea surface in flat calm conditions. The offset was subtracted from subsequent pressure voltages.

Following each cruise, the raw voltages were converted to temperature, salinity and pressure and the data edited. For combined CTD and hydro cast stations, standard depth values were compared and correction curves for the CTDs determined. Although the standard deviations were significant in most cases the mean correction curves were generally within the manufacturer's specified accuracies for temperature, salinity and pressure of ±0.03°C, ±0.05‰ (parts per thousand) and ±1%, respectively. The variances are in part attributable to the presence of vertical property gradients, especially at depths shallower than 150 m. In the present report, all corrections to temperature and salinity profiles are based on careful laboratory calibrations taken before each cruise.

NISKIN BOTTLE OBSERVATIONS

Rosette and hydro-cast observations using 1.7 litre Niskin bottles at standard depths were obtained at a selected number of CTD stations. Reversing thermometers attached to each water bottle were given 5 minutes to reach in situ temperatures prior to release of the messenger; bottles deeper than 250 m carried both protected and unprotected thermometers so that depths could be calculated. Water samples were drawn immediately after each cast.

Dissolved oxygen samples were drawn into 125 mL flasks and immediately pickled. Samples were analyzed within 24 hours of collection using a micro-Winkler technique (de Jong, 1974) which, for the typical range of upper layer values of 4 to 6 mL/L within the main region, gave accuracies better than 1%. Dissolved oxygen values are listed with the hydro data following each set of CTD listings.

DATA FORMAT

The cruise survey data are arranged in chronological order according to cruise number with CTD data followed by hydro (Niskin bottle) data. Each survey is identified by a title page giving the cruise number, month and year. This is followed by a map of the oceanographic stations occupied during the cruise. The facing page provides "keys" to the information written on the diagrams and in the header of the listings, together with the symbols and units for the various oceanic parameters.

Individual CTD casts are presented in chronological order. Each cast occupies two pages. On the left hand (even numbered) page are plots of the calibrated temperature and salinity profiles while on the right hand (odd numbered) page are listings of observed and derived oceanographic quantities. Salinity increases and temperature decreases with depth in the northeast Pacific so that each is easily identified within a given plot. The listings are for standard hydrographic depths. In the header are the cruise identification, the station name, the consecutive number of the cast, the latitude and longitude, the date (year, month, day) and the time (Pacific Standard Time = GMT - 8 hours). The number of "points" in the header refers to the number of 1-metre averaged depths obtained during a given cast.

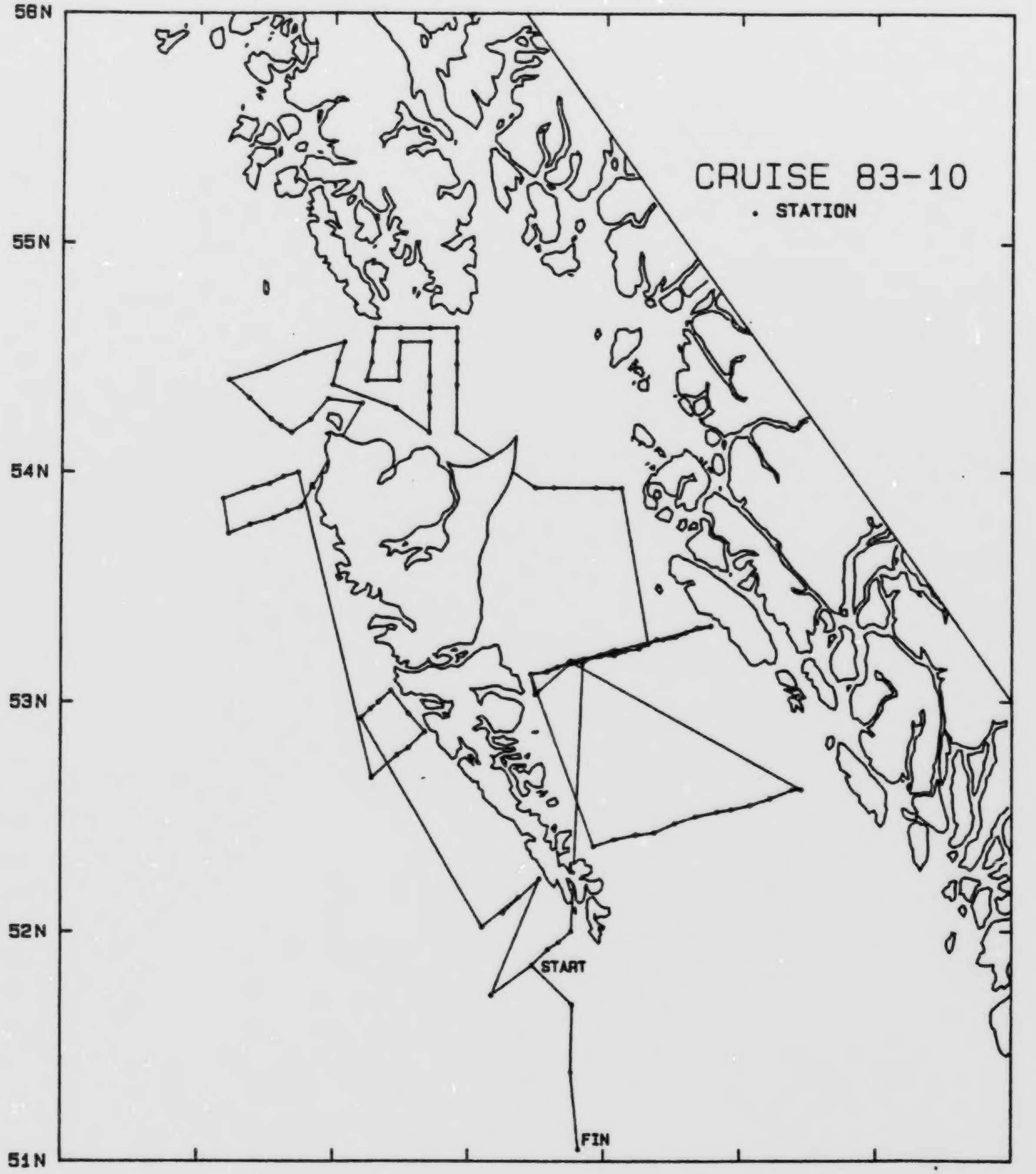
The CTD data are followed by a listing of the temperature, salinity and dissolved oxygen values from the Niskin bottle samples.

REFERENCES

de Jong, C. 1974. Reference manual for oceanographic technicians on the weatherships, unpublished manuscript, Dept. of the Environment, Marine Sciences Branch, 248 p.

5

CRUISE 83-10
3 -19 MAY 1983


CRUISE 83-10
• STATION
56N
55N
54N
53N
52N
51N
135W
134W
133W
132W
131W
130W
129W
128W
START
FIN

NORTH COAST OCEANIC DYNAMICS EXPERIMENT

Key to information written on Plot pages and Listing pages.

PLOT PAGE

Ref. No. Year-Month-Station Consecutive Number
Latitude (°N) Longitude (°W)
Month Day Time (GMT)*

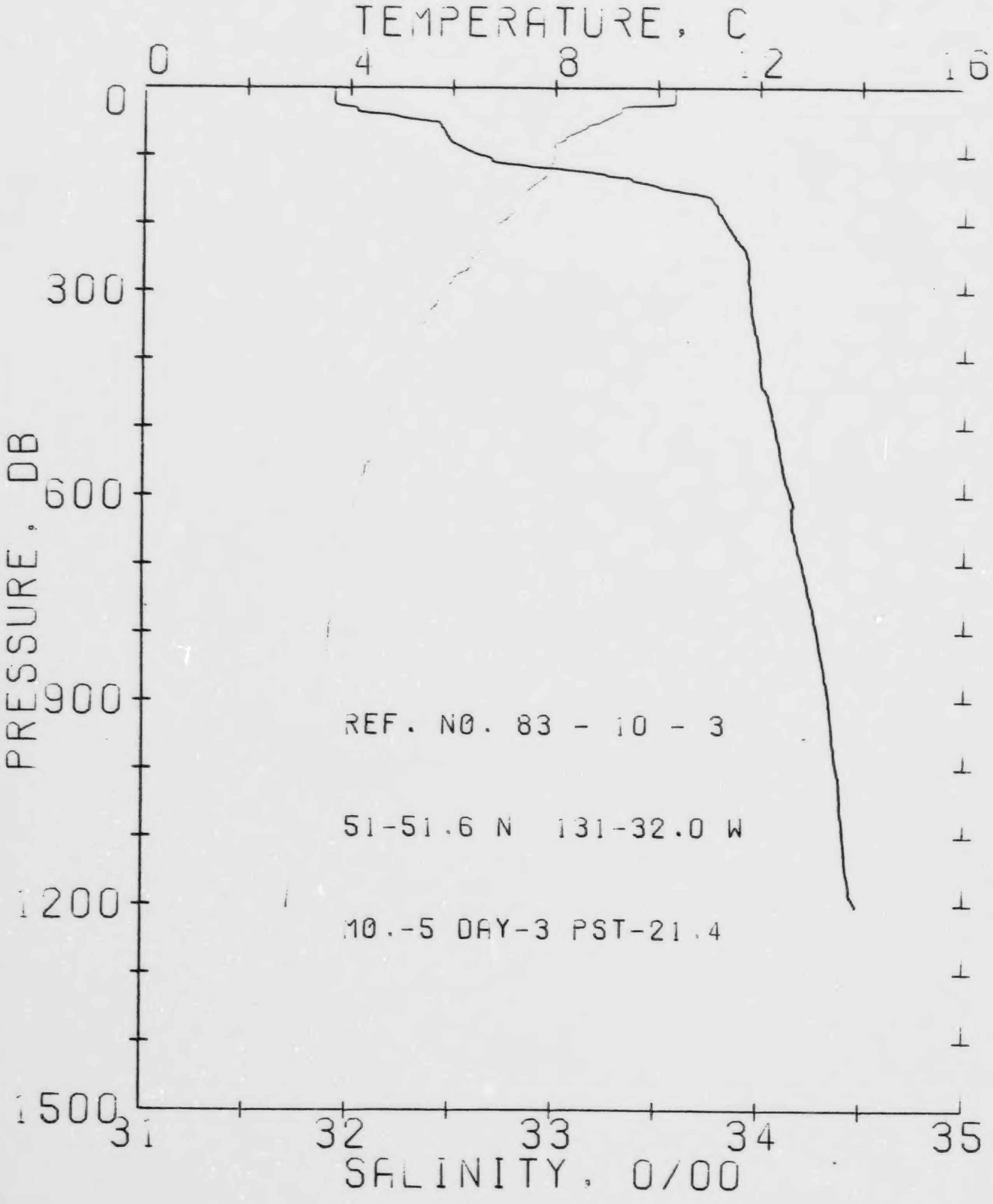
*PST = GMT - 8 hours

LISTING PAGE

Ref. No. Year-Month-Station Reference Number Date (D/Mo/Yr)
Position Latitude (°N) Longitude (°W) GMT (Hours) Station ID
Results of STP Cast ...Number of 1-metre averaged points
taken from digital system... Guildline (CTP) was used...
Pressures (in db) are input

PARAMETERS, SYMBOLS, UNITS

DEPTH: DEPTH in metres
TEMPERATURE: TEMP in degrees Celcius
SALINITY: SAL in grams per kilogram
SIGMA-T: SIG-T (dimensionless)
SPECIFIC VOLUME ANOMALY: SVA in 10Exp(-5)* cm^3/gram
GEOPOTENTIAL ANOMALY: DELTA-D in Joules/Kilogram
POTENTIAL ENERGY: POT. EN. in 10Exp(8) Ergs/cm^2
SPEED OF SOUND: SOUND in metres/second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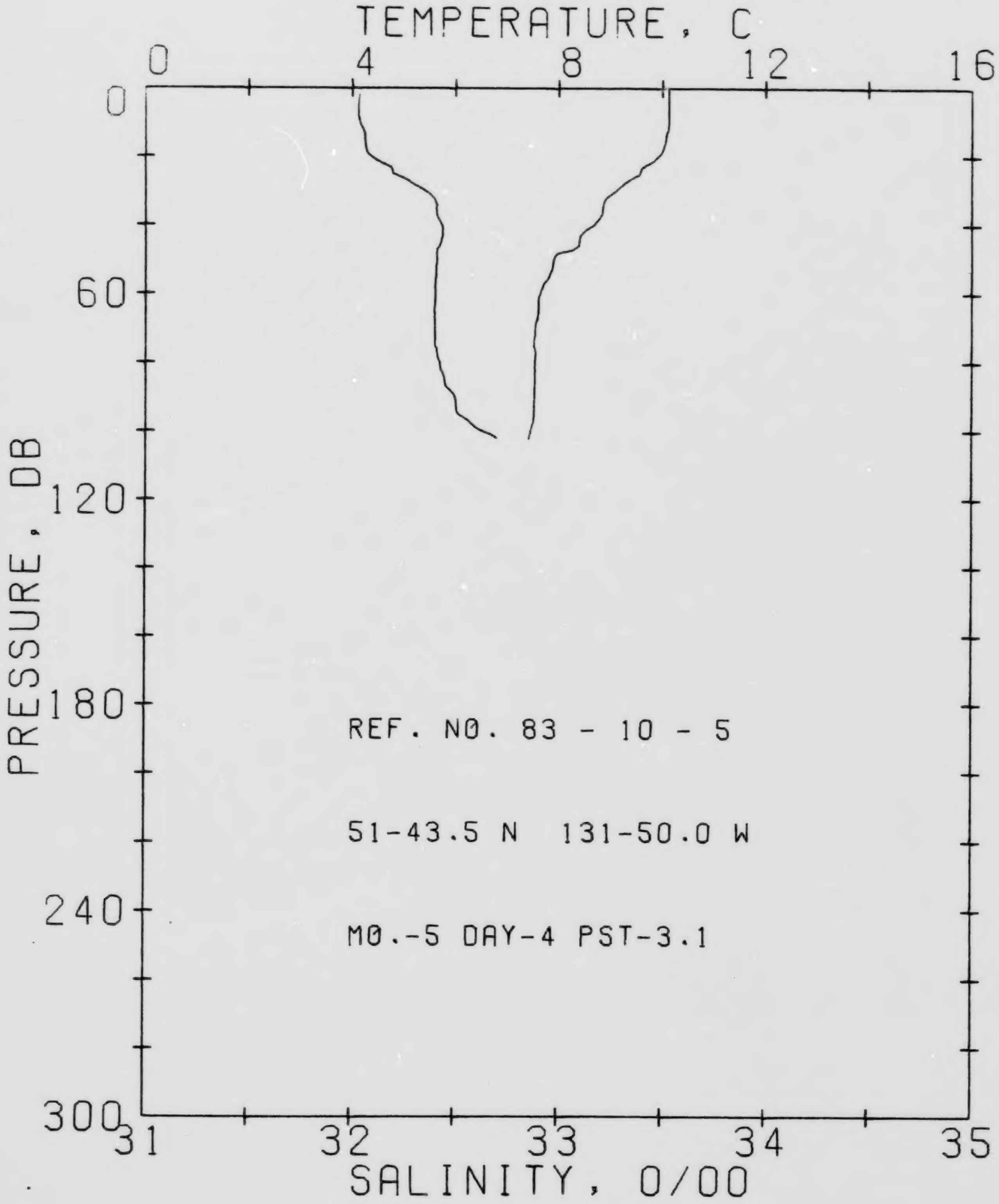
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. NO. 83 - 10 - 3
51-51.6 N 131-32.0 W
10.-5 DAY-3 PST-21.4
31
32
33
34
35
SALINITY, 0/00

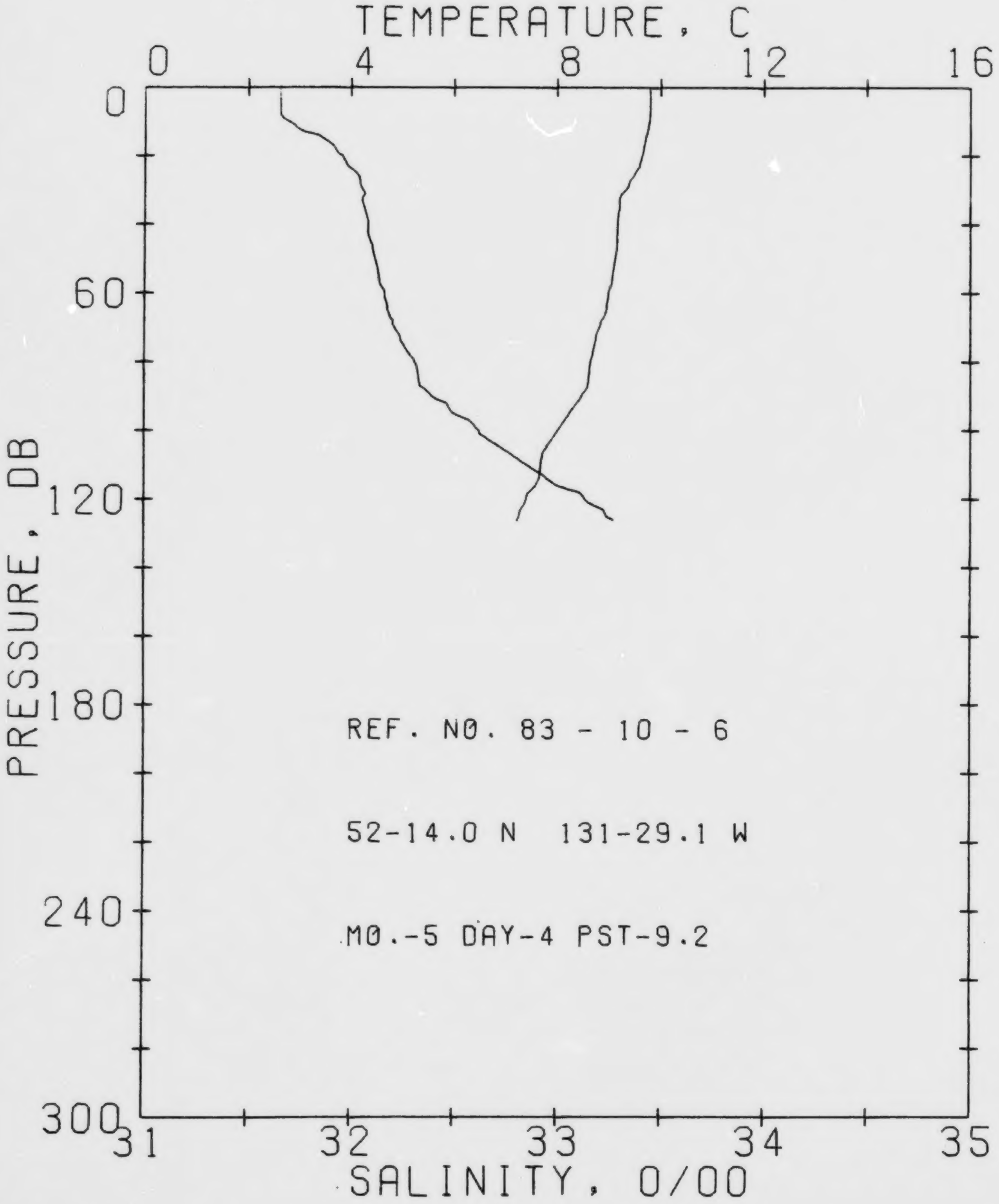
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-  3          DATE  3/ 5/83
POSITION  51-51.6N, 131-32.0W         21.4      STATION J 2
RESULTS OF STP CAST  1204 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA    POT.    SOUND
                                    T                D       EN
    0   10.34   31.93       0    24.52   342.2      .00      .00   1488.
   10   10.34   31.92      10    24.52   342.5      .34      .02   1488.
   20   10.35   31.92      20    24.52   342.7      .68      .07   1488.
   30    9.30   32.03      30    24.78   318.5     1.02      .15   1484.
   50    8.90   32.44      50    25.15   283.0     1.63      .40   1484.
   75    8.22   32.48      75    25.29   270.1     2.31      .84   1482.
  100    8.01   32.66      99    25.46   254.1     2.97     1.42   1482.
  125    7.86   33.21     124    25.91   211.9     3.57     2.10   1482.
  150    7.47   33.58     149    26.26   179.3     4.05     2.78   1481.
  175    7.20   33.80     174    26.47   160.0     4.47     3.47   1481.
  200    6.90   33.84     199    26.54   153.1     4.86     4.22   1480.
  225    6.67   33.89     223    26.62   146.3     5.23     5.03   1480.
  250    6.39   33.94     248    26.69   139.5     5.59     5.89   1479.
  300    5.84   33.95     298    26.77   132.3     6.27     7.80   1478.
  400    5.18   34.00     397    26.89   121.9     7.54    12.31   1477.
  500    4.62   34.08     496    27.01   110.6     8.71    17.66   1476.
  600    4.17   34.15     595    27.12   100.8     9.77    23.60   1476.
  800    3.63   34.29     793    27.28    86.5    11.65    36.97   1477.
 1000    3.23   34.38     990    27.40    76.3    13.28    51.84   1479.
 1200    2.84   34.48    1188    27.51    66.1    14.72    68.02   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 5
51-43.5 N 131-50.0 W
MO.-5 DAY-4 PST-3.1

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-  5          DATE  4/ 5/83
POSITION   51-43.5N, 131-50.0W         3.1      STATION J 3
RESULTS OF STP CAST   103 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   10.13   32.04        0    24.65  330.1      .00      .00  1487.
   10   10.13   32.04       10    24.64  330.7      .33      .02  1487.
   20    9.93   32.10       20    24.73  323.2      .66      .07  1487.
   30    9.12   32.36       30    25.06  291.7      .97      .15  1484.
   50    7.92   32.41       50    25.28  270.8     1.53      .37  1480.
   75    7.52   32.40       75    25.33  266.6     2.20      .80  1479.
  100    7.47   32.64       99    25.52  248.9     2.85     1.38  1479.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 83 - 10 - 6
52-14.0 N 131-29.1 W
MO.-5 DAY-4 PST-9.2
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-  6         DATE  4/ 5/83
POSITION  52-14.0N, 131-29.1W          9.2       STATICN Q 3
RESULTS OF STP CAST   127 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                   T               D        EN
    0    9.80   31.66       0    24.40   353.6     .00      .00   1485.
   10    9.79   31.70      10    24.44   350.1     .35      .02   1486.
   20    9.63   31.96      20    24.67   328.8     .69      .07   1485.
   30    9.32   32.06      30    24.79   316.8    1.01      .15   1485.
   50    9.13   32.12      50    24.87   310.1    1.64      .41   1484.
   75    8.72   32.26      75    25.04   294.2    2.40      .89   1483.
  100    8.00   32.62      99    25.43   257.0    3.10     1.51   1481.
  125    7.27   33.24     124    26.02   201.5    3.67     2.16   1480.
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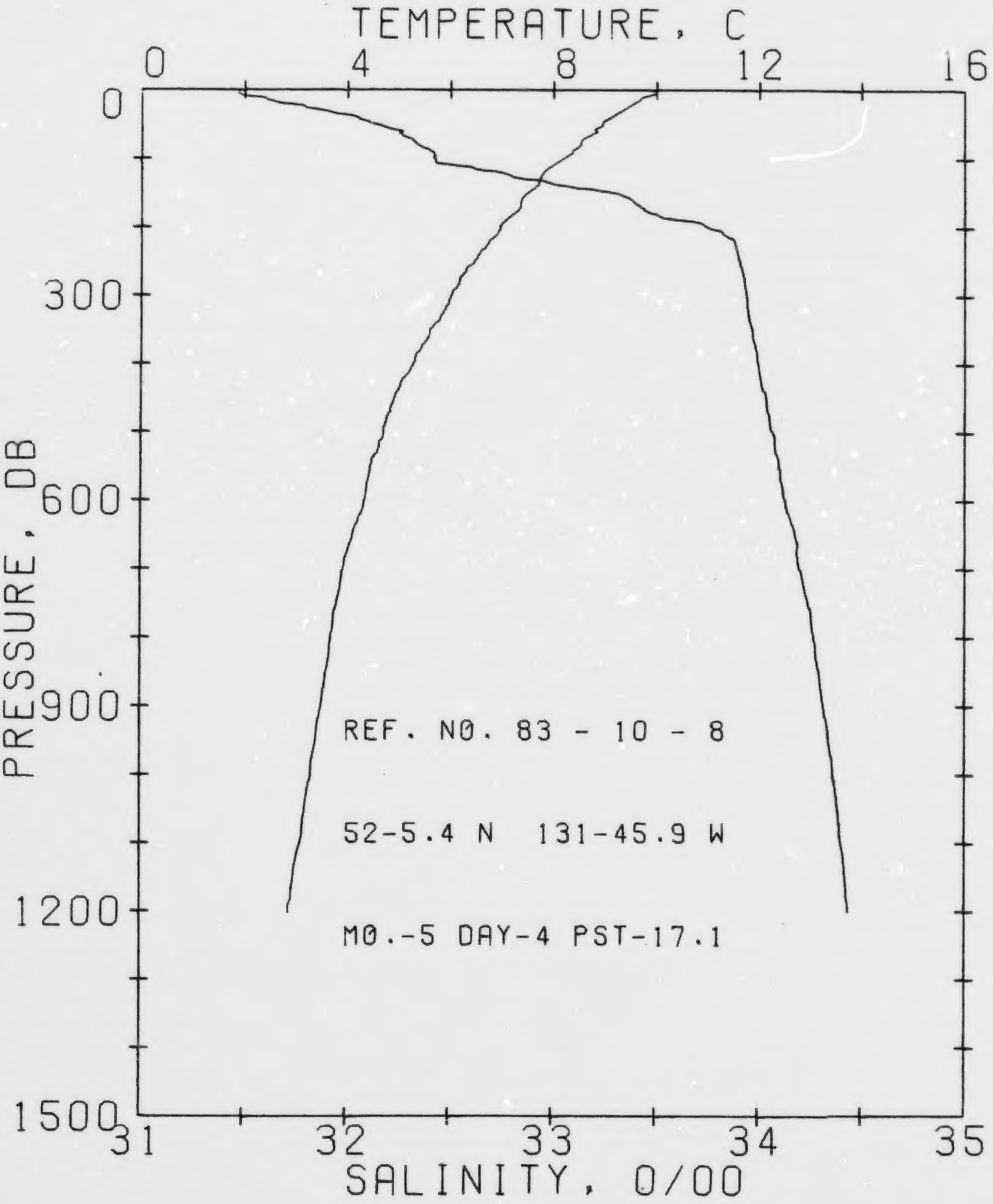
TEMPERATURE, C
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4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
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52-5.4 N 131-45.9 W
M0.-5 DAY-4 PST-17.1
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-  8         DATE  4/ 5/83
POSITION  52- 5.4N, 131-45.9W        17.1       STATION Q 6
RESULTS OF STP CAST  1202 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL     DEPTH     SIGMA     SVA     DELTA     POT.     SOUND
                                        T                 D        EN
    0    10.02    31.47        0     24.22    370.6       .00      .00    1486.
   10     9.71    31.59       10     24.37    357.1       .37      .02    1485.
   20     9.55    31.73       20     24.50    344.8       .72      .07    1485.
   30     9.33    31.91       30     24.67    328.5      1.06      .16    1484.
   5C     8.98    32.16       50     24.92    305.0      1.69      .41    1484.
   75     8.55    32.33       75     25.12    286.1      2.43      .88    1483.
  100     8.19    32.43       99     25.25    274.2      3.12     1.51    1482.
  125     7.78    32.80      124     25.60    241.3      3.77     2.24    1481.
  150     7.48    33.32      149     26.05    198.7      4.33     3.02    1481.
  175     7.33    33.44      174     26.17    187.9      4.81     3.82    1481.
  200     6.98    33.76      199     26.46    160.4      5.24     4.64    1481.
  225     6.72    33.88      223     26.60    147.7      5.62     5.47    1480.
  250     6.48    33.91      248     26.65    143.1      5.98     6.34    1480.
  300     6.02    33.94      298     26.74    135.5      6.68     8.29    1479.
  400     5.28    34.00      397     26.87    123.5      7.97    12.90    1477.
  500     4.71    34.07      496     26.99    112.3      9.15    18.28    1477.
  600     4.33    34.13      595     27.08    104.4     10.23    24.34    1477.
  800     3.69    34.27      793     27.26     88.4     12.14    37.93    1478.
 1000     3.30    34.36      990     27.37     78.7     13.81    53.21    1479.
 1200     2.88    34.44     1188     27.47     69.9     15.29    69.77    1481.
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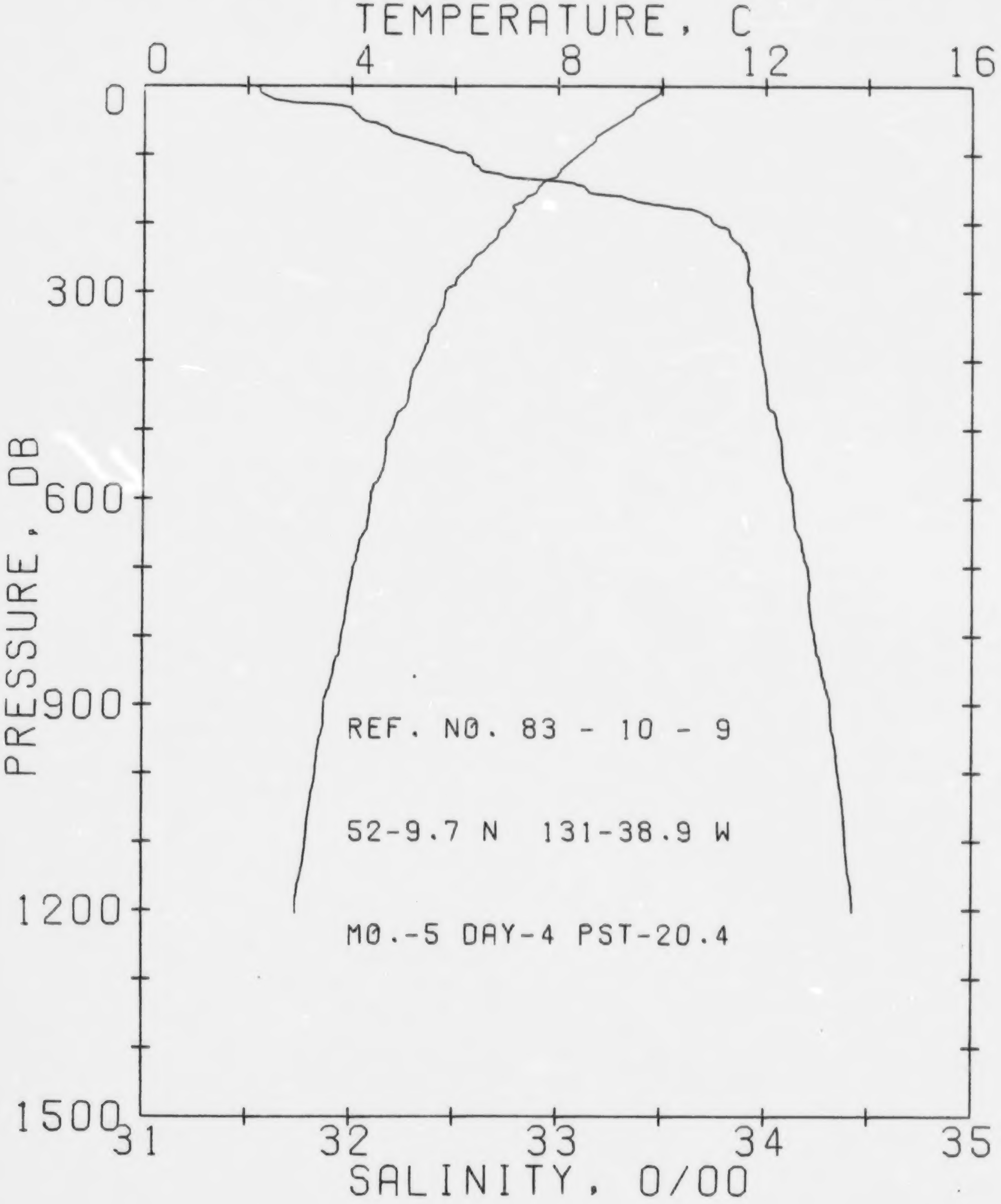
TEMPERATURE, C
0
4
8
12
16
0
300
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1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 83 - 10 - 9
52-9.7 N 131-38.9 W
M0.-5 DAY-4 PST-20.4

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-  9         DATE  4/ 5/83
POSITION  52- 9.7N, 131-38.9W        20.4       STATION Q 5
RESULTS OF STP CAST  1204 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL     DEPTH     SIGMA     SVA     DELTA     POT.     SOUND
                                        T                 D        EN
   0      9.99     31.55       0     24.29    364.5      .00       .00    1486.
  10      9.96     31.57      10     24.31    362.8      .36       .02    1486.
  20      9.74     31.65      20     24.41    353.5      .72       .07    1485.
  30      9.52     31.99      30     24.70    325.4     1.06       .16    1485.
  50      9.23     32.07      50     24.81    315.2     1.70       .42    1485.
  75      8.73     32.29      75     25.07    291.7     2.46       .90    1483.
 100      8.39     32.56      99     25.33    266.8     3.16      1.52    1483.
 125      8.04     32.66     124     25.46    254.9     3.81      2.27    1482.
 150      7.61     33.14     149     25.89    214.0     4.39      3.08    1481.
 175      7.11     33.55     174     26.29    177.0     4.88      3.90    1480.
 200      7.01     33.75     199     26.46    161.0     5.30      4.69    1481.
 225      6.76     33.86     223     26.57    150.4     5.69      5.53    1480.
 250      6.38     33.91     248     26.67    141.6     6.05      6.41    1479.
 300      5.83     33.93     298     26.75    133.7     6.74      8.34    1478.
 400      5.33     33.98     397     26.86    125.0     8.04     12.96    1478.
 500      4.79     34.06     496     26.98    113.9     9.24     18.45    1477.
 600      4.39     34.13     595     27.08    105.1    10.33     24.59    1477.
 800      3.82     34.24     793     27.22     92.1    12.30     38.53    1478.
1000      3.33     34.35     990     27.36     79.7    13.99     54.07    1480.
1200      2.95     34.42    1188     27.45     71.5    15.50     70.91    1481.
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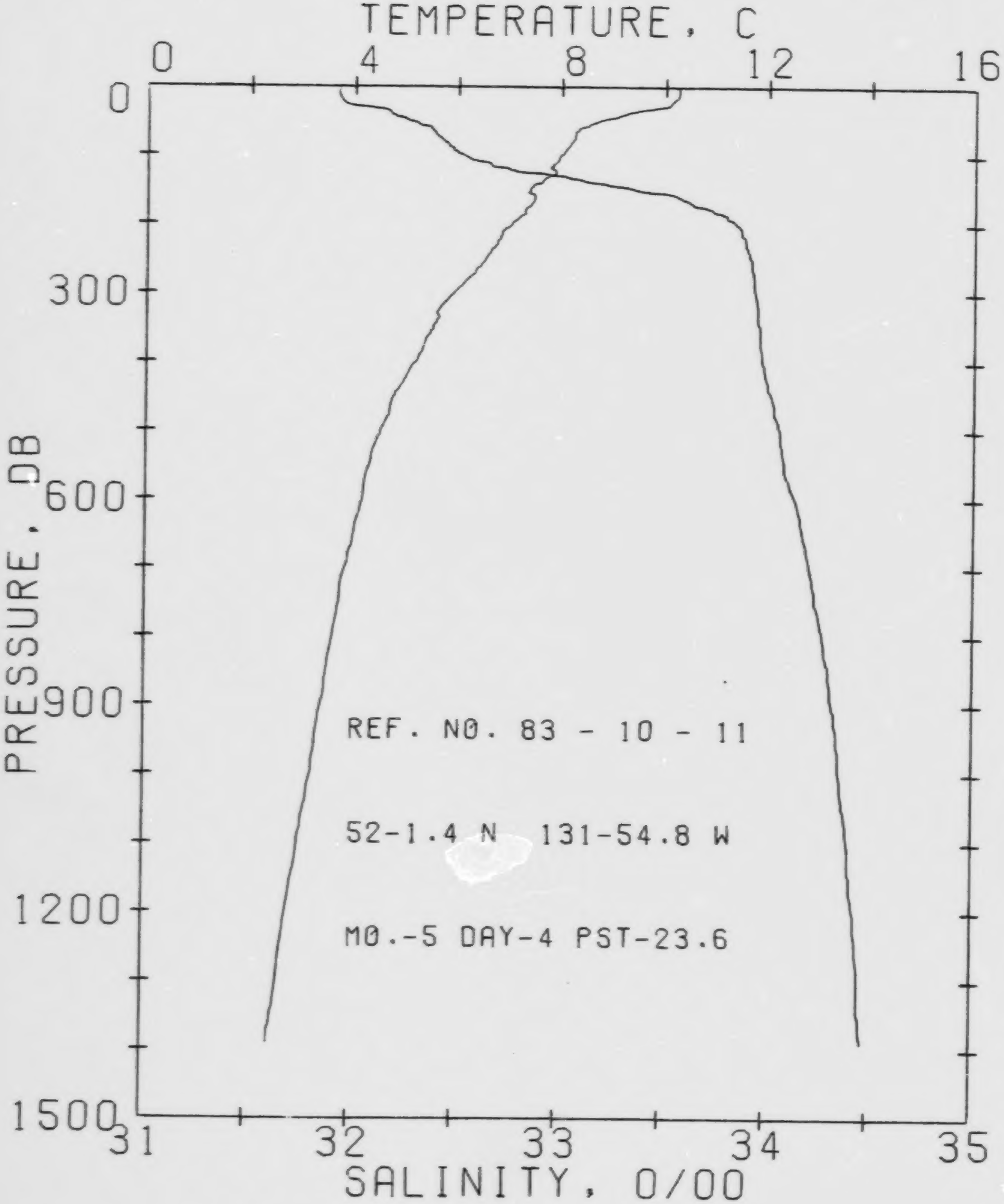
TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
REF. NO. 83 - 10 - 11
52-1.4 N 131-54.8 W
MO.-5 DAY-4 PST-23.6
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 11          DATE  4/ 5/83
POSITION   52- 1.4N, 131-54.8W         23.6       STATICN Q 7
RESULTS OF STP CAST   372 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH     SIGMA      SVA     DELTA     POT.    SOUND
                                       T                  D        EN
    0    10.26    31.93        0     24.54    340.8       .00       .00   1487.
   10    10.26    31.92       10     24.53    341.7       .34       .02   1488.
   20    10.15    31.94       20     24.56    338.7       .68       .07   1487.
   30     9.82    32.09       30     24.73    322.5      1.02       .15   1486.
   50     8.72    32.27       50     25.05    292.8      1.63       .40   1483.
   75     8.26    32.42       75     25.24    275.4      2.33       .85   1482.
  100     7.98    32.53       99     25.37    263.3      3.01      1.45   1481.
  125     7.91    32.87      124     25.64    237.8      3.64      2.17   1482.
  150     7.39    33.37      149     26.10    193.9      4.17      2.92   1481.
  175     7.34    33.70      174     26.37    169.1      4.62      3.66   1482.
  200     7.05    33.85      199     26.53    154.3      5.02      4.43   1481.
  225     6.78    33.89      223     26.60    148.1      5.40      5.25   1480.
  250     6.54    33.92      248     26.65    143.1      5.76      6.13   1480.
  300     5.93    33.94      298     26.75    134.4      6.46      8.08   1478.
  400     5.20    33.97      397     26.86    124.3      7.75     12.66   1477.
  500     4.53    34.06      496     27.01    110.8      8.92     18.01   1476.
  600     4.19    34.14      595     27.11    102.1      9.99     24.00   1476.
  800     3.63    34.27      793     27.27     87.4     11.87     37.40   1477.
 1000     3.22    34.36      990     27.37     78.2     13.51     52.45   1479.
 1200     2.76    34.43     1188     27.48     68.8     14.98     68.86   1481.
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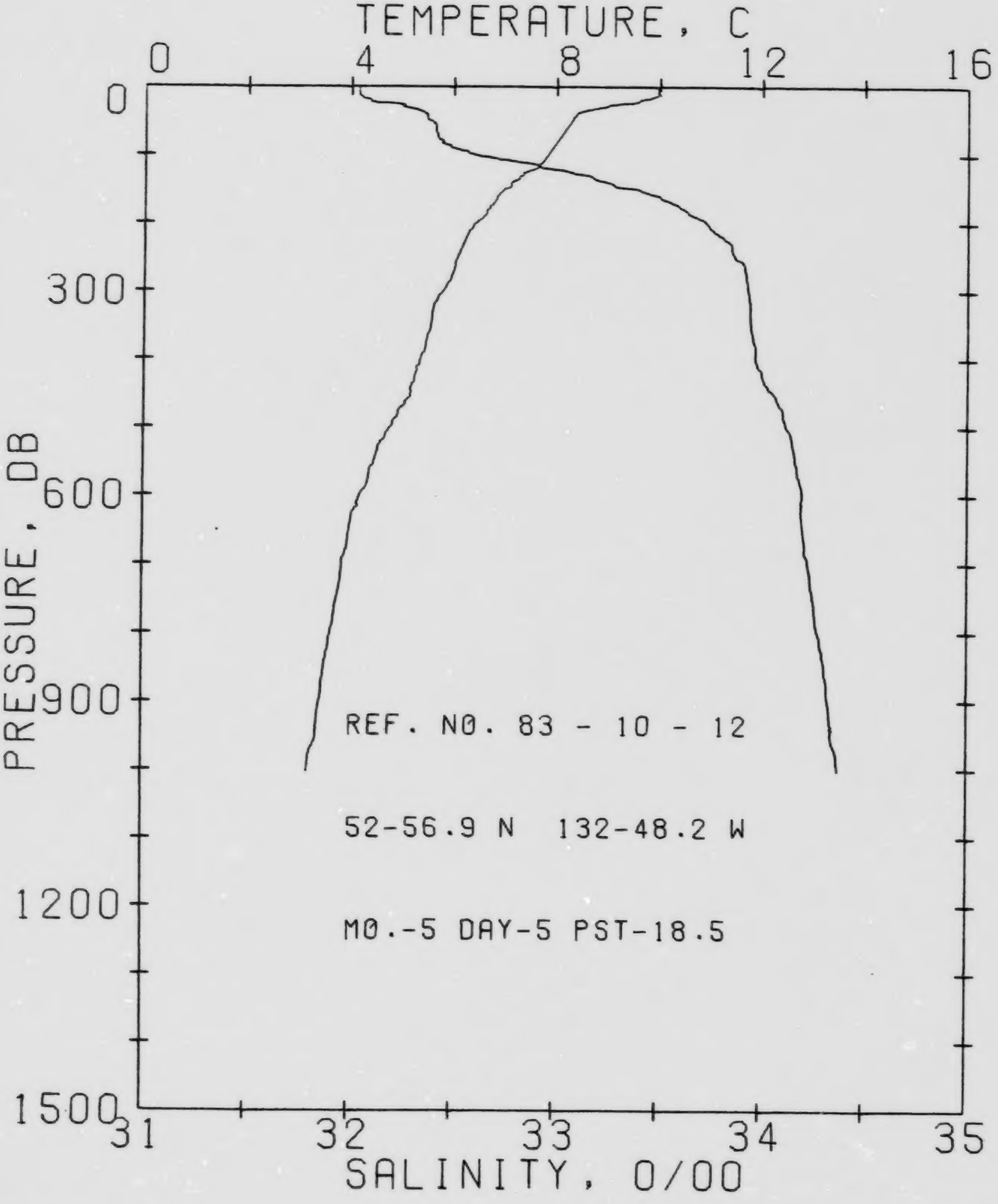
TEMPERATURE, C
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4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
REF. NO. 83 - 10 - 12
52-56.9 N 132-48.2 W
MO.-5 DAY-5 PST-18.5
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 12         DATE  5/ 5/83
POSITION   52-56.9N, 132-48.2W        18.5       STATION Q 8
RESULTS OF STP CAST  1003 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH    SIGMA     SVA     DELTA    POT.    SOUND
                                      T                 D       EN
    0     9.97    32.04        0    24.67   327.7      .00      .00    1486.
   10     9.98    32.04       10    24.67   328.1      .33      .02    1487.
   20     9.61    32.10       20    24.78   318.3      .65      .07    1486.
   30     8.86    32.27       30    25.03   294.2      .96      .14    1483.
   50     8.30    32.40       50    25.21   277.3     1.52      .37    1481.
   75     8.07    32.43       75    25.27   272.2     2.21      .81    1481.
  100     7.83    32.62       99    25.45   255.0     2.87     1.40    1481.
  125     7.39    33.07      124    25.87   215.5     3.46     2.07    1480.
  150     6.98    33.41      149    26.19   185.7     3.96     2.78    1479.
  175     6.72    33.60      174    26.38   168.2     4.40     3.51    1479.
  200     6.42    33.73      199    26.52   154.9     4.81     4.28    1478.
  225     6.23    33.83      223    26.62   145.5     5.19     5.09    1478.
  250     6.08    33.87      248    26.67   140.8     5.54     5.96    1478.
  300     5.80    33.93      298    26.76   133.3     6.22     7.86    1478.
  400     5.36    33.97      397    26.84   126.5     7.52    12.48    1478.
  500     4.77    34.13      496    27.03   108.9     8.70    17.87    1477.
  600     4.19    34.20      595    27.15    97.8     9.73    23.62    1476.
  800     3.63    34.28      793    27.27    87.1    11.58    36.82    1477.
 1000     3.19    34.38      990    27.39    76.4    13.22    51.81    1479.
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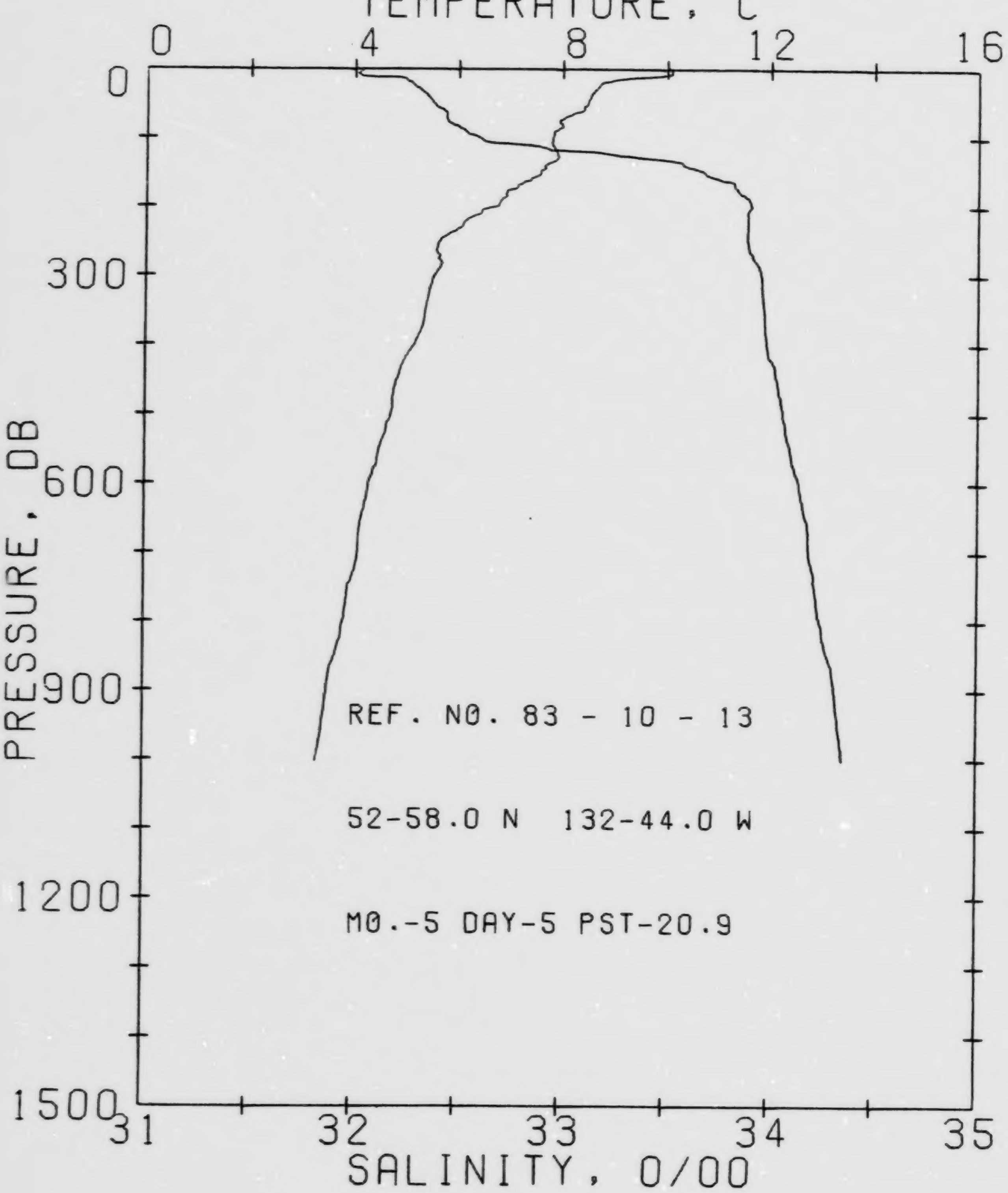
TEMPERATURE, C
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8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
REF. NO. 83 - 10 - 13
52-58.0 N 132-44.0 W
MO.-5 DAY-5 PST-20.9
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 13         DATE  5/ 5/83
POSITION  52-58.0N, 132-44.0W         20.9       STATION Q 9
RESULTS OF STP CAST  1002 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA     DELTA    POT.    SOUND
                                    T                 D       EN
    0   10.10   32.04       0    24.65   330.1      .00      .00   1487.
   10    9.77   32.04      10    24.70   325.0      .33      .02   1486.
   20    8.74   32.28      20    25.05   291.9      .63      .06   1483.
   30    8.63   32.32      30    25.10   287.5      .92      .14   1482.
   50    8.48   32.39      50    25.18   280.6     1.49      .37   1482.
   75    7.93   32.45      75    25.31   268.6     2.17      .80   1481.
  100    7.81   32.61      99    25.45   255.3     2.83     1.39   1481.
  125    7.92   33.28     124    25.96   207.3     3.42     2.06   1482.
  150    7.60   33.69     149    26.32   173.3     3.88     2.70   1482.
  175    6.95   33.84     174    26.54   153.2     4.28     3.37   1480.
  200    6.64   33.91     199    26.63   144.5     4.66     4.09   1479.
  225    6.10   33.89     223    26.69   139.3     5.01     4.85   1478.
  250    5.63   33.89     248    26.74   133.9     5.35     5.68   1476.
  300    5.53   33.96     298    26.81   128.4     6.01     7.52   1477.
  400    5.15   33.98     397    26.88   122.8     7.27    12.01   1477.
  500    4.71   34.06     496    26.99   112.9     8.43    17.34   1477.
  600    4.29   34.14     595    27.10   103.0     9.52    23.40   1477.
  800    3.81   34.25     793    27.23    91.6    11.46    37.25   1478.
 1000    3.32   34.36     990    27.36    79.3    13.15    52.71   1479.
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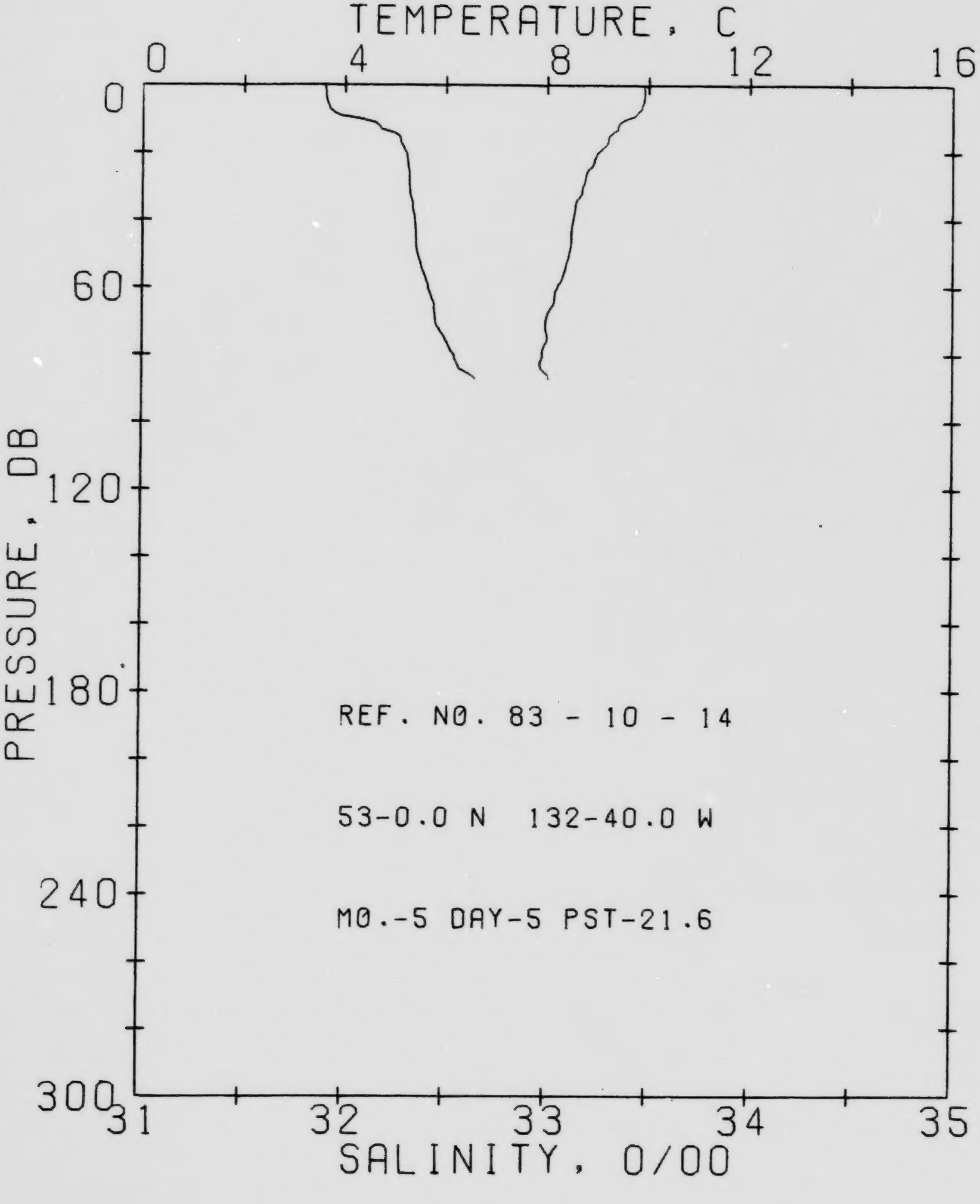
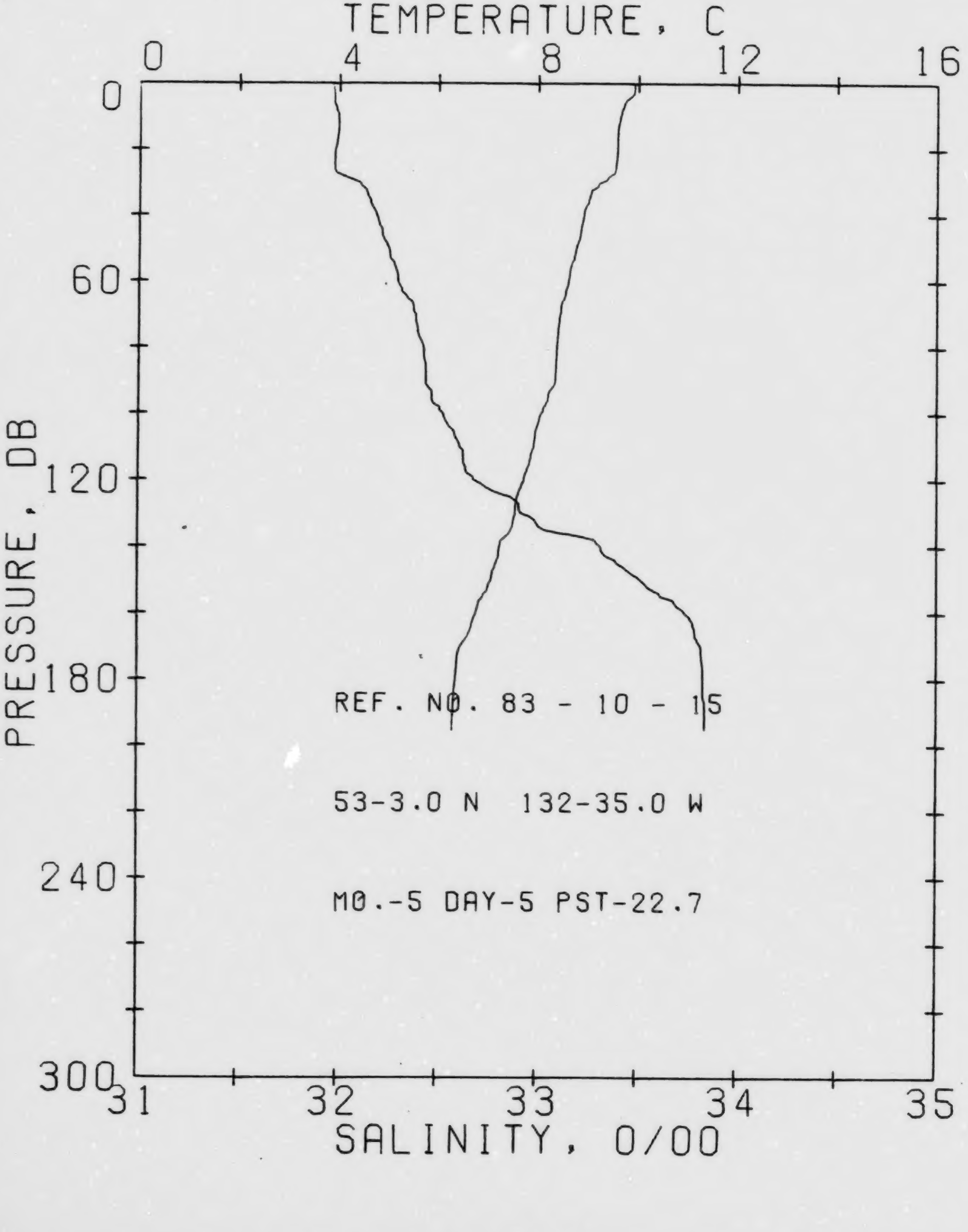

TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 83 - 10 - 14
53-0.0 N 132-40.0 W
MO.-5 DAY-5 PST-21.6
31
32
33
34
35
SALINITY, O/OO

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 14          DATE  5/ 5/83
POSITION  53-  .0N, 132-40.0W          21.6       STATION Q10
RESULTS OF STP CAST     28 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0    9.92    31.90       0    24.57   337.2     .00      .00   1486.
   10    9.56    32.07      10    24.76   319.3     .33      .02   1485.
   20    9.00    32.30      20    25.03   294.0     .64      .06   1484.
   30    8.70    32.32      30    25.09   288.6     .93      .14   1483.
   50    8.44    32.36      50    25.16   282.2    1.50      .37   1482.
   75    8.02    32.49      75    25.33   266.8    2.18      .80   1481.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 83 - 10 - 15
53-3.0 N 132-35.0 W
MO.-5 DAY-5 PST-22.7
31
32
33
34
35
SALINITY, O/OO

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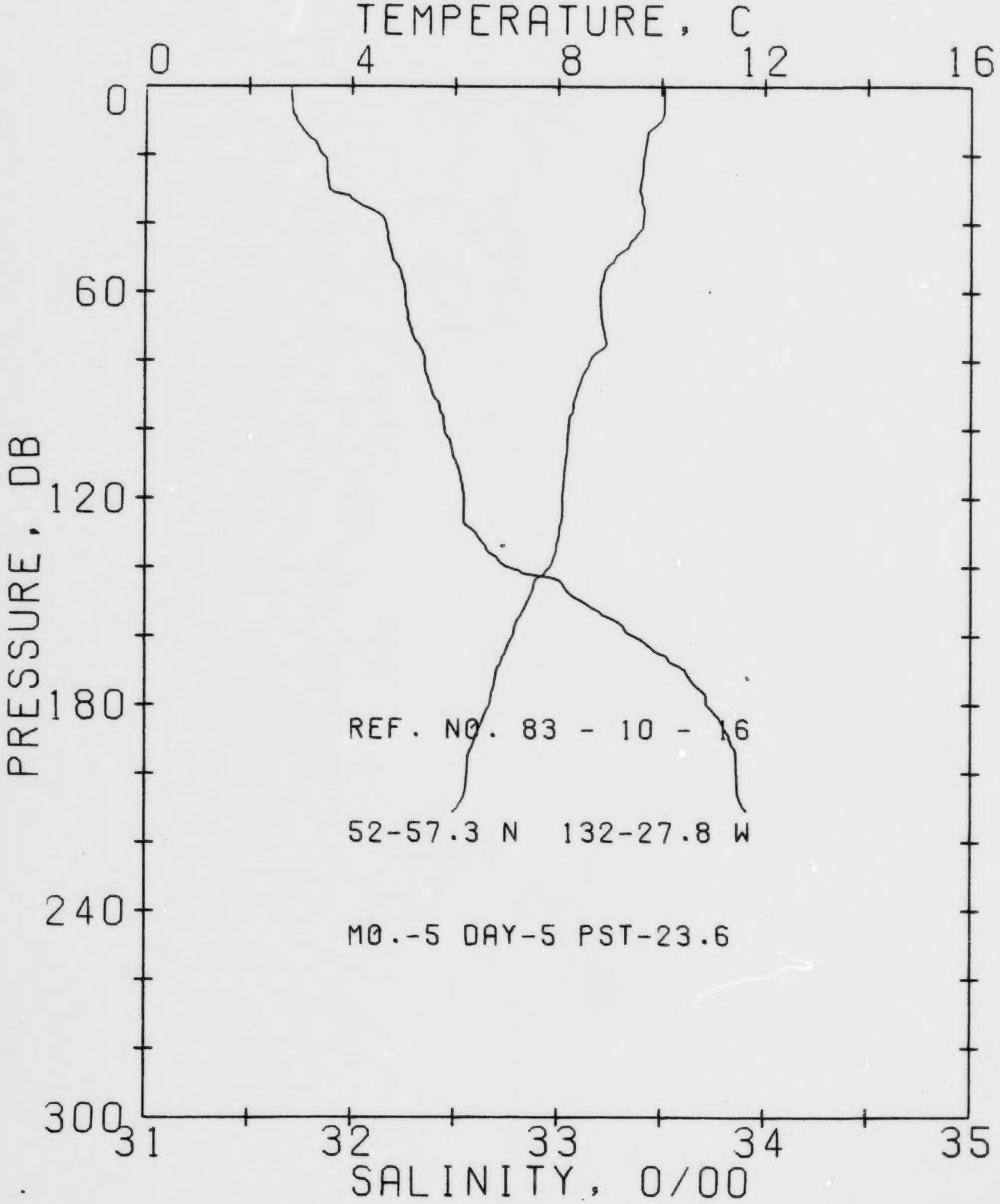
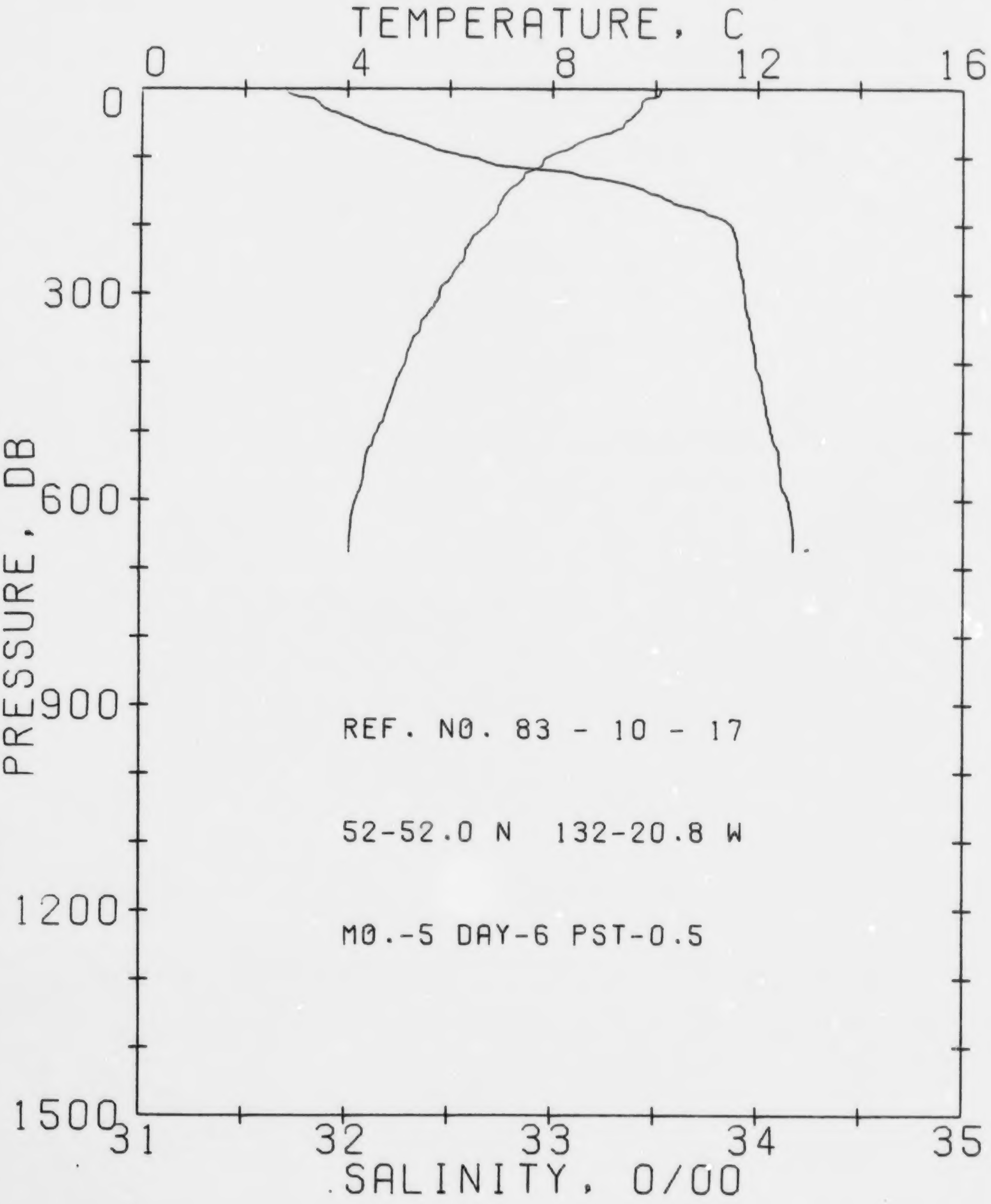
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 15          DATE  5/ 5/83
POSITION   53- 3.0N, 132-35.0W         22.7       STATION Q11
RESULTS OF STP CAST   153 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                     T               D       EN
    0     9.93   31.97       0    24.62   332.6     .00      .00   1486.
   10     9.64   32.00      10    24.69   326.1     .33      .02   1485.
   20     9.58   31.98      20    24.69   326.8     .66      .07   1485.
   30     9.22   32.11      30    24.85   311.9     .98      .15   1484.
   50     8.77   32.25      50    25.03   294.6    1.58      .39   1483.
   75     8.42   32.40      75    25.20   279.2    2.30      .85   1482.
  100     8.07   32.53      99    25.35   265.0    2.99     1.46   1482.
  125     7.59   32.87     124    25.68   233.4    3.62     2.19   1481.
  150     7.08   33.52     149    26.27   178.4    4.14     2.91   1480.
  175     6.40   33.83     174    26.60   147.2    4.53     3.56   1478.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 16
52-57.3 N 132-27.8 W
MO.-5 DAY-5 PST-23.6

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 16          DATE  5/ 5/83
POSITION  52-57.3N, 132-27.8W         23.6       STATION Q12
RESULTS OF STP CAST   212 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH     SIGMA     SVA     DELTA     POT.    SOUND
                                      T                 D        EN
    0   10.05    31.71        0     24.40   353.9       .00      .00   1486.
   10    9.99    31.73       10     24.43   351.1       .35      .02   1486.
   20    9.68    31.86       20     24.58   337.0       .70      .07   1486.
   30    9.56    31.89       30     24.62   332.9      1.03      .16   1485.
   50    9.11    32.20       50     24.93   303.8      1.66      .41   1484.
   75    8.96    32.33       75     25.06   292.3      2.40      .88   1484.
  100    8.21    32.45       99     25.27   272.4      3.10     1.51   1482.
  125    8.09    32.54      124     25.36   264.5      3.77     2.27   1482.
  150    7.41    33.12      149     25.91   212.7      4.38     3.12   1481.
  175    6.76    33.68      174     26.43   163.0      4.84     3.89   1479.
  200    6.25    33.86      199     26.65   142.8      5.22     4.61   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 17
52-52.0 N 132-20.8 W
MO.-5 DAY-6 PST-0.5

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 17         DATE  6/ 5/83
POSITION  52-52.0N, 132-20.8W          .5       STATION Q13
RESULTS OF STP CAST   321 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA    POT.    SOUND
                                    T                D       EN
    0   10.11   31.71       0    24.39   354.7      .00      .00   1487.
   10   10.02   31.76      10    24.44   349.8      .35      .02   1486.
   20    9.75   31.87      20    24.57   337.6      .69      .07   1486.
   30    9.69   31.91      30    24.61   333.9     1.03      .16   1486.
   50    9.41   32.07      50    24.79   317.6     1.68      .42   1485.
   75    8.61   32.33      75    25.11   287.1     2.44      .90   1483.
  100    7.87   32.62      99    25.45   255.5     3.13     1.51   1481.
  125    7.46   33.12     124    25.90   212.6     3.72     2.19   1480.
  150    7.14   33.47     149    26.22   183.3     4.21     2.88   1480.
  175    6.95   33.70     174    26.43   163.7     4.65     3.59   1480.
  200    6.71   33.87     199    26.59   148.3     5.03     4.34   1480.
  225    6.40   33.90     223    26.66   142.3     5.40     5.12   1479.
  250    6.28   33.90     248    26.67   140.9     5.75     5.97   1479.
  300    5.80   33.94     298    26.76   132.8     6.43     7.88   1478.
  400    5.14   33.99     397    26.88   122.1     7.70    12.40   1477.
  500    4.59   34.06     496    27.00   111.4     8.87    17.73   1476.
  600    4.17   34.15     595    27.11   101.4     9.93    23.67   1476.
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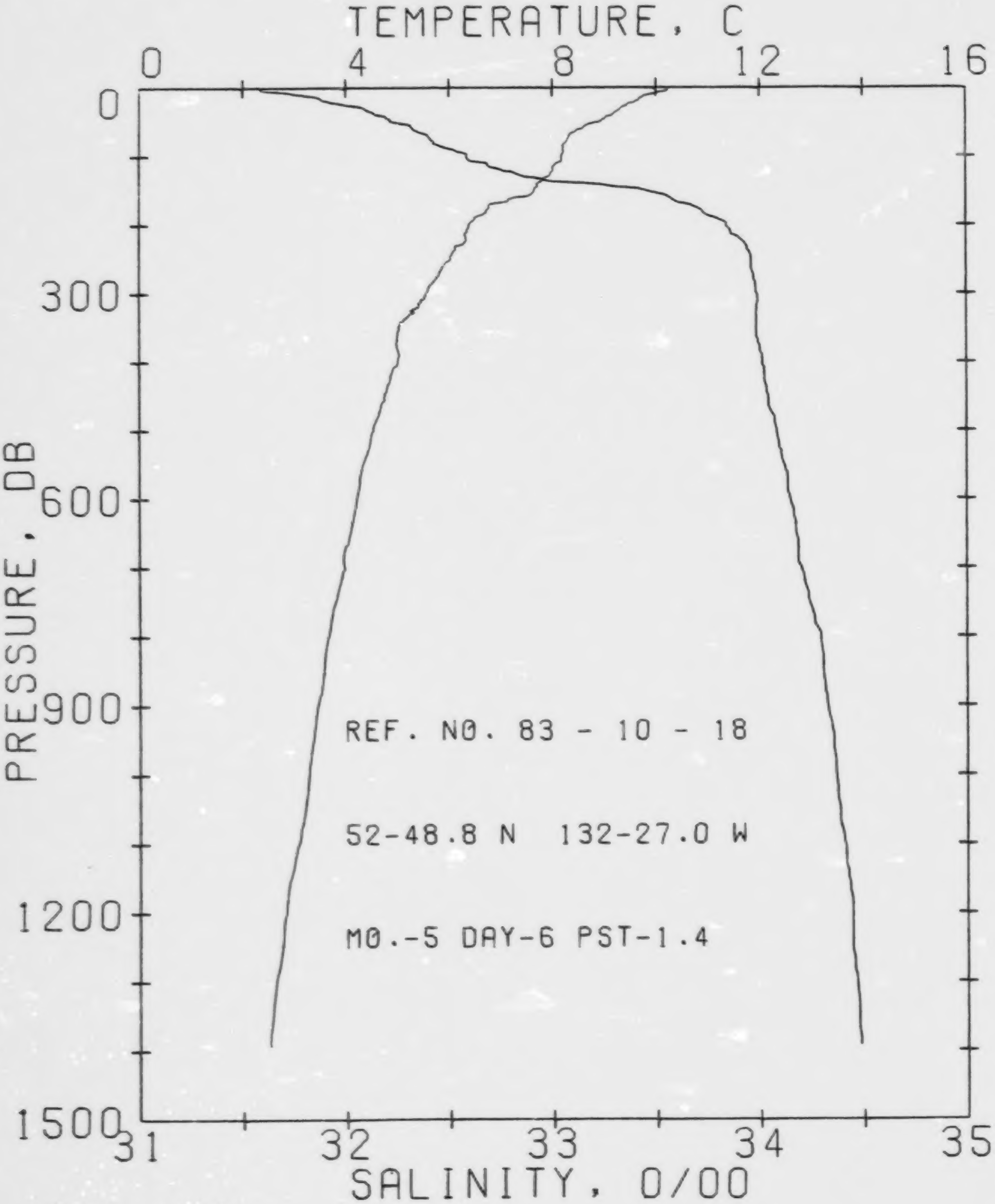
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8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 18
52-48.8 N 132-27.0 W
MO.-5 DAY-6 PST-1.4

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 18          DATE  6/ 5/83
POSITION   52-48.8N, 132-27.0W          1.4        STATION Q14
RESULTS OF STP CAST   370 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                    T                D       EN
    0   10.24   31.60        0    24.28   364.9      .00      .00    1487.
   10    9.86   31.80       10    24.50   344.3      .36      .02    1486.
   20    9.61   31.93       20    24.64   331.0      .69      .07    1485.
   30    9.33   32.10       30    24.82   314.3     1.02      .15    1485.
   50    8.87   32.24       50    25.00   297.2     1.63      .40    1483.
   75    8.31   32.42       75    25.23   276.3     2.34      .85    1482.
  100    8.18   32.59       99    25.38   262.1     3.01     1.45    1482.
  125    7.98   32.83      124    25.60   241.5     3.64     2.17    1482.
  150    7.66   33.47      149    26.14   190.4     4.19     2.93    1482.
  175    6.77   33.71      174    26.45   161.0     4.62     3.65    1479.
  200    6.39   33.84      199    26.61   146.4     5.01     4.39    1478.
  225    6.31   33.93      223    26.69   139.0     5.36     5.16    1479.
  250    6.04   33.96      248    26.75   133.6     5.70     5.98    1478.
  300    5.56   33.99      298    26.83   126.5     6.35     7.80    1477.
  400    5.02   34.01      397    26.91   119.1     7.57    12.14    1476.
  500    4.53   34.08      496    27.02   109.3     8.71    17.37    1476.
  600    4.22   34.15      595    27.11   102.0     9.77    23.28    1476.
  800    3.65   34.29      793    27.28    86.2    11.67    36.77    1478.
 1000    3.26   34.37      990    27.38    78.0    13.31    51.79    1479.
 1200    2.83   34.45     1188    27.48    68.6    14.77    68.17    1481.
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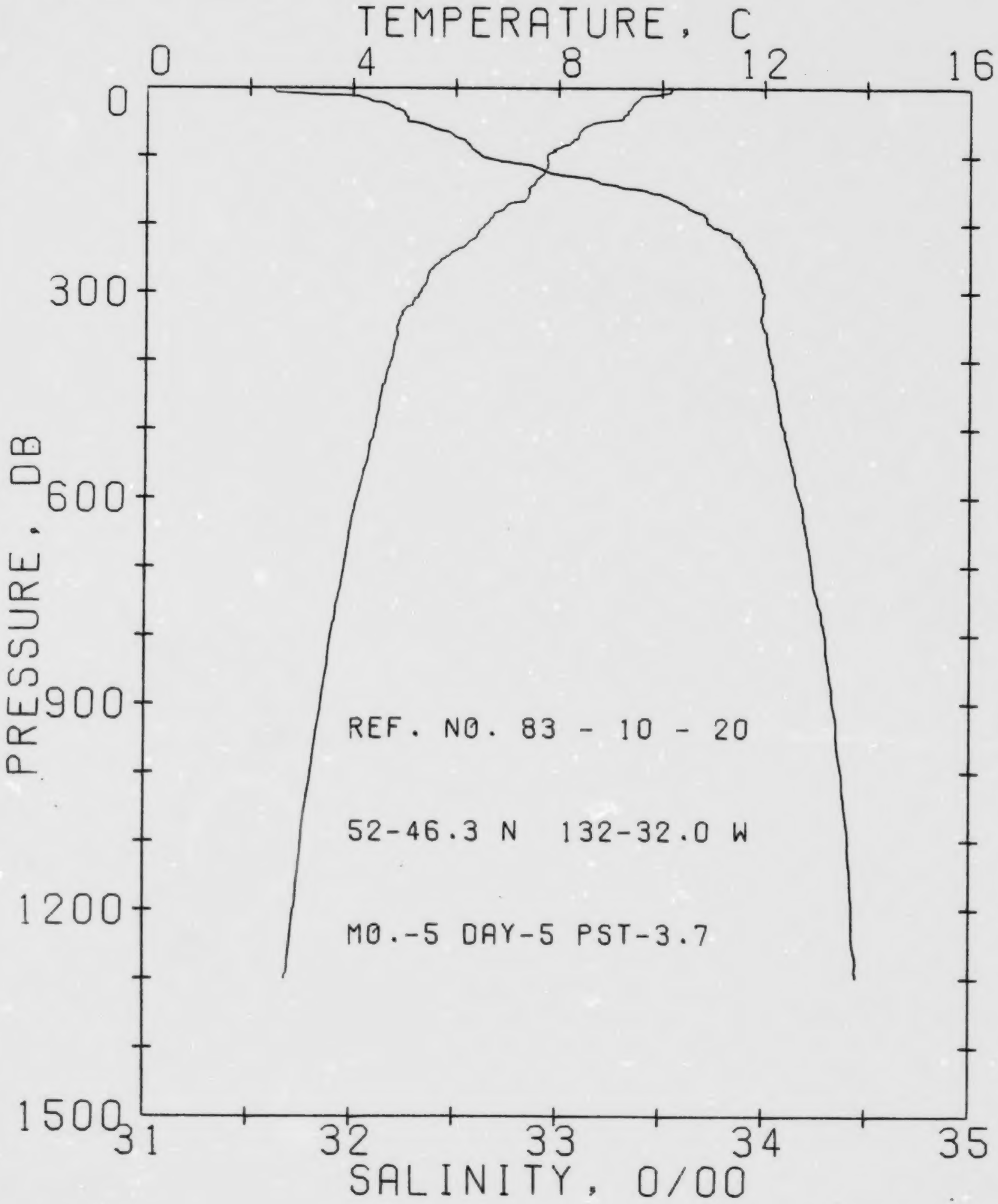
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8
12
16
PRESSURE, DB
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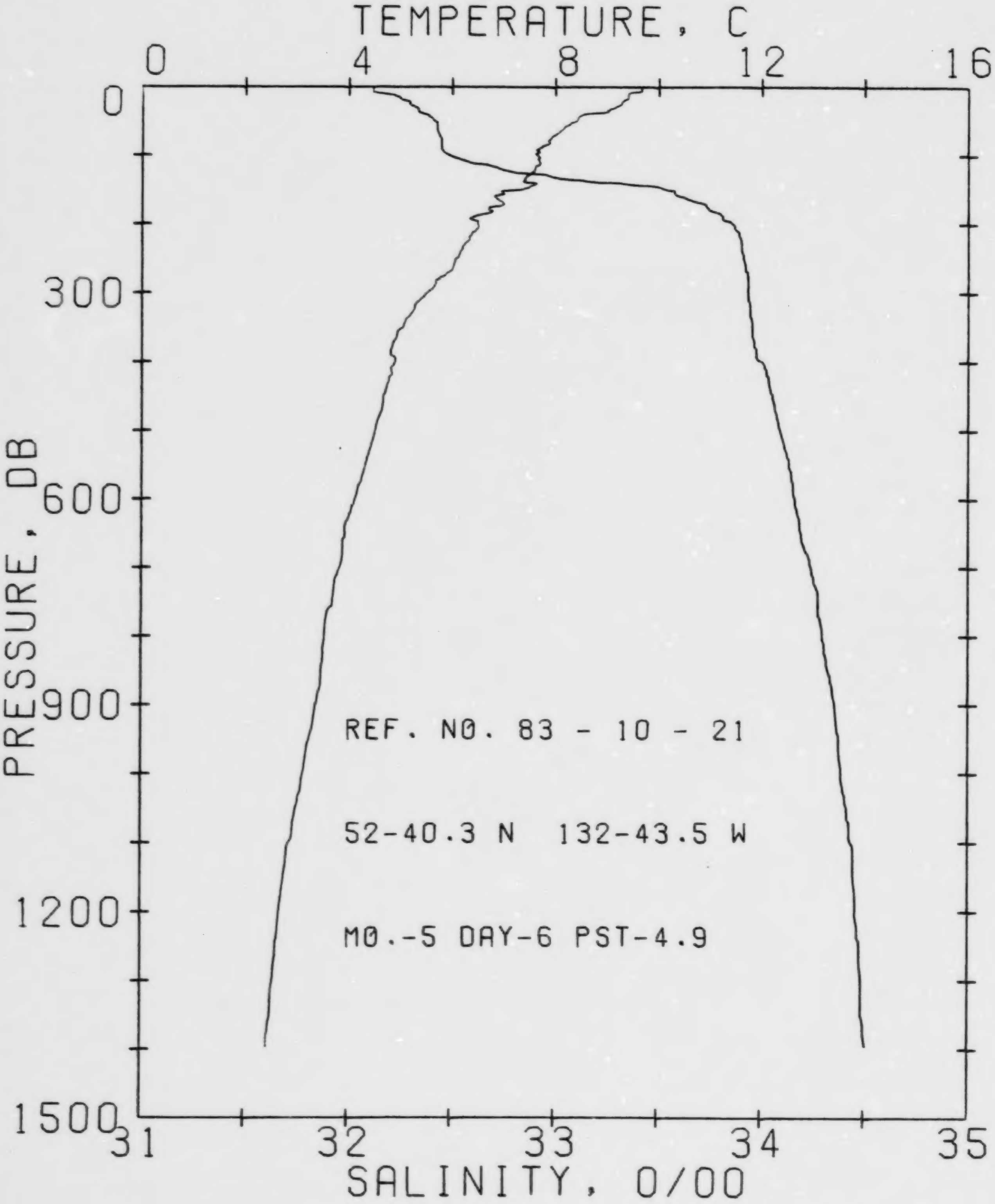
300
600
900
1200
1500
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 20
52-46.3 N 132-32.0 W
MO.-5 DAY-5 PST-3.7

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 20 DATE 5/ 5/83
POSITION 52-46.3N, 132-32.0W 3.7 STATION Q15
RESULTS OF STP CAST 361 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.21	31.62	0	24.30	362.9	.00	.00	1487.
10	9.67	31.99	10	24.68	327.3	.36	.02	1485.
20	9.50	32.12	20	24.81	315.2	.68	.07	1485.
30	9.40	32.21	30	24.90	307.2	.99	.15	1485.
50	8.72	32.32	50	25.09	289.1	1.59	.39	1483.
75	8.30	32.54	75	25.32	267.1	2.28	.83	1482.
100	7.77	32.63	99	25.47	253.4	2.93	1.41	1481.
125	7.72	32.97	124	25.74	227.8	3.53	2.09	1481.
150	7.44	33.43	149	26.14	190.1	4.05	2.82	1481.
175	6.97	33.63	174	26.37	169.2	4.50	3.56	1480.
200	6.58	33.74	199	26.51	156.2	4.90	4.33	1479.
225	6.26	33.88	223	26.66	142.0	5.27	5.14	1478.
250	5.75	33.93	248	26.76	132.3	5.62	5.97	1477.
300	5.32	34.00	298	26.87	122.8	6.25	7.75	1476.
400	4.76	34.03	397	26.96	114.7	7.43	11.97	1475.
500	4.45	34.10	496	27.04	107.3	8.54	17.04	1476.
600	4.10	34.18	595	27.14	98.3	9.57	22.80	1476.
800	3.59	34.30	793	27.29	85.0	11.41	35.87	1477.
1000	3.22	34.38	990	27.39	76.4	13.03	50.68	1479.
1200	2.90	34.44	1188	27.47	70.1	14.49	67.01	1481.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8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 21
52-40.3 N 132-43.5 W
MO.-5 DAY-6 PST-4.9

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 21         DATE  6/ 5/83
POSITION  52-40.3N, 132-43.5W         4.9       STATION Q16
RESULTS OF STP CAST   383 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL   DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                    T                D        EN
    0    9.69    32.12       0    24.78   317.8      .00      .00    1486.
   10    9.41    32.19      10    24.88   308.5      .32      .02    1485.
   20    9.32    32.28      20    24.96   300.6      .62      .06    1485.
   30    9.16    32.33      30    25.03   294.7      .92      .14    1484.
   50    8.40    32.42      50    25.21   277.0     1.49      .37    1482.
   75    7.92    32.45      75    25.31   268.4     2.17      .80    1481.
  100    7.67    32.49      99    25.38   261.9     2.83     1.40    1480.
  125    7.55    32.82     124    25.65   236.6     3.46     2.11    1480.
  150    7.25    33.54     149    26.26   179.4     3.98     2.83    1481.
  175    6.72    33.74     174    26.48   158.1     4.39     3.53    1479.
  200    6.52    33.86     199    26.61   146.2     4.77     4.25    1479.
  225    6.30    33.90     223    26.67   141.1     5.13     5.03    1478.
  250    6.07    33.91     248    26.71   137.7     5.48     5.87    1478.
  300    5.49    33.93     298    26.79   129.7     6.15     7.74    1477.
  400    4.89    34.01     397    26.92   118.2     7.39    12.14    1476.
  500    4.51    34.09     496    27.03   108.5     8.52    17.32    1476.
  600    4.12    34.16     595    27.13    99.6     9.55    23.12    1476.
  800    3.53    34.29     793    27.29    84.9    11.38    36.13    1477.
 1000    3.13    34.38     990    27.40    75.2    12.98    50.73    1479.
 1200    2.69    34.46    1188    27.50    66.2    14.38    66.34    1480.
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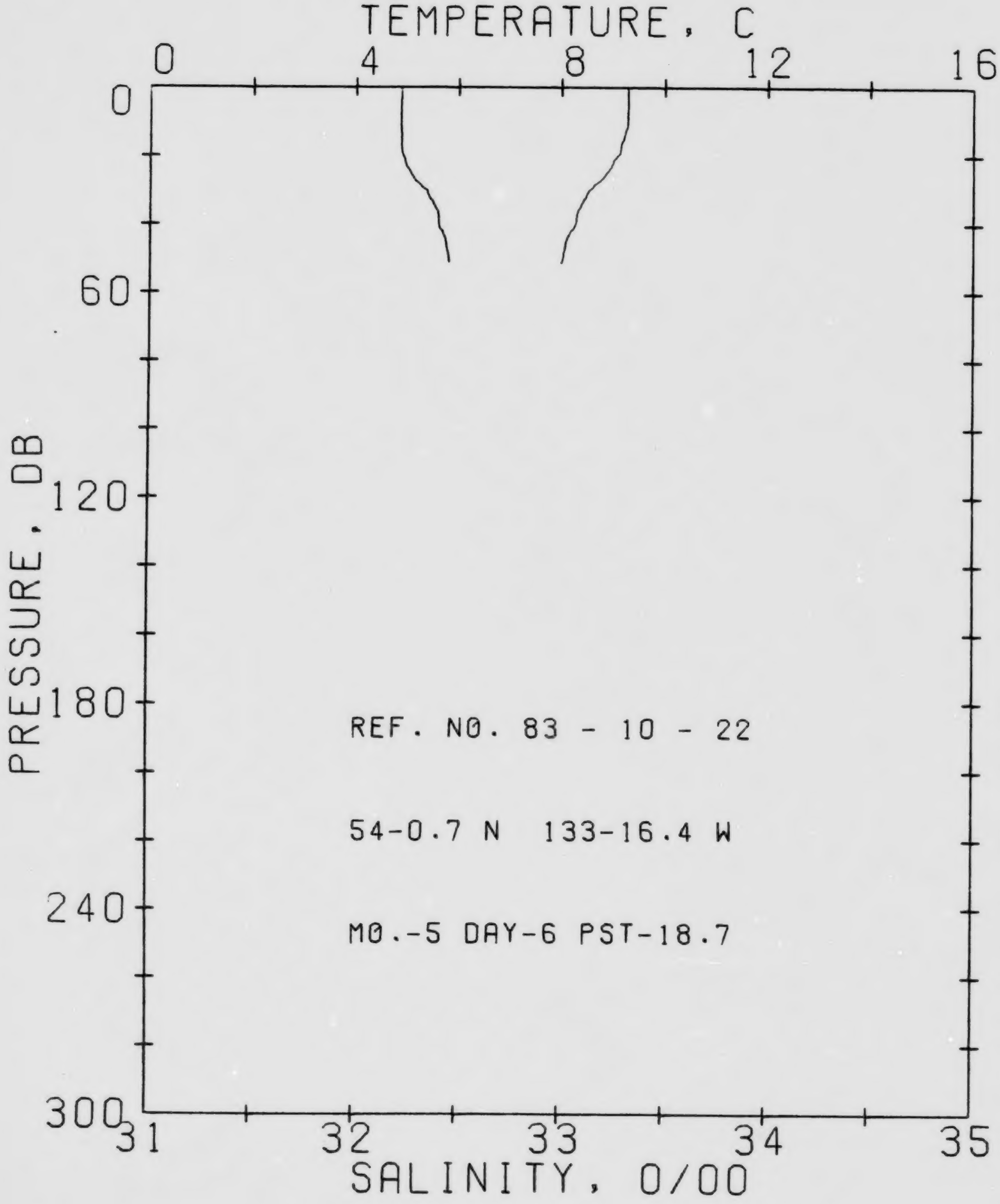
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31
32
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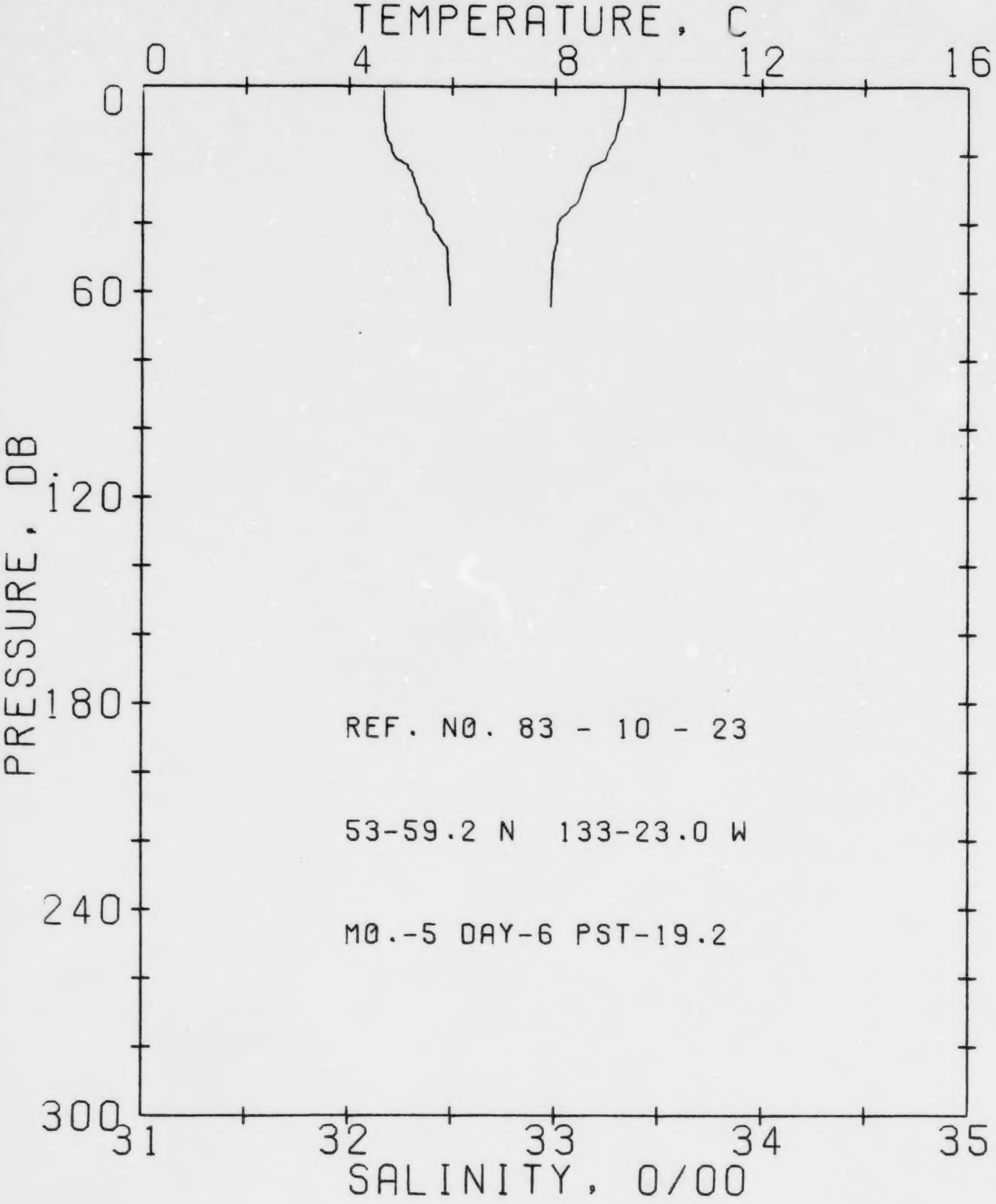
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 22
54-0.7 N 133-16.4 W
MO.-5 DAY-6 PST-18.7

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 22        DATE  6/ 5/83
POSITION  54-  .7N, 133-16.4W        18.7      STATION Q17
RESULTS OF STP CAST    52 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T                D       EN
   0     9.29    32.22       0    24.92   303.9     .00      .00    1484.
  10     9.29    32.22      10    24.92   304.3     .30      .02    1484.
  20     9.08    32.23      20    24.97   300.3     .61      .06    1484.
  30     8.53    32.35      30    25.14   283.9     .90      .14    1482.
  50     8.03    32.45      50    25.30   269.3    1.45      .36    1481.
```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60
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300
PRESSURE, DB
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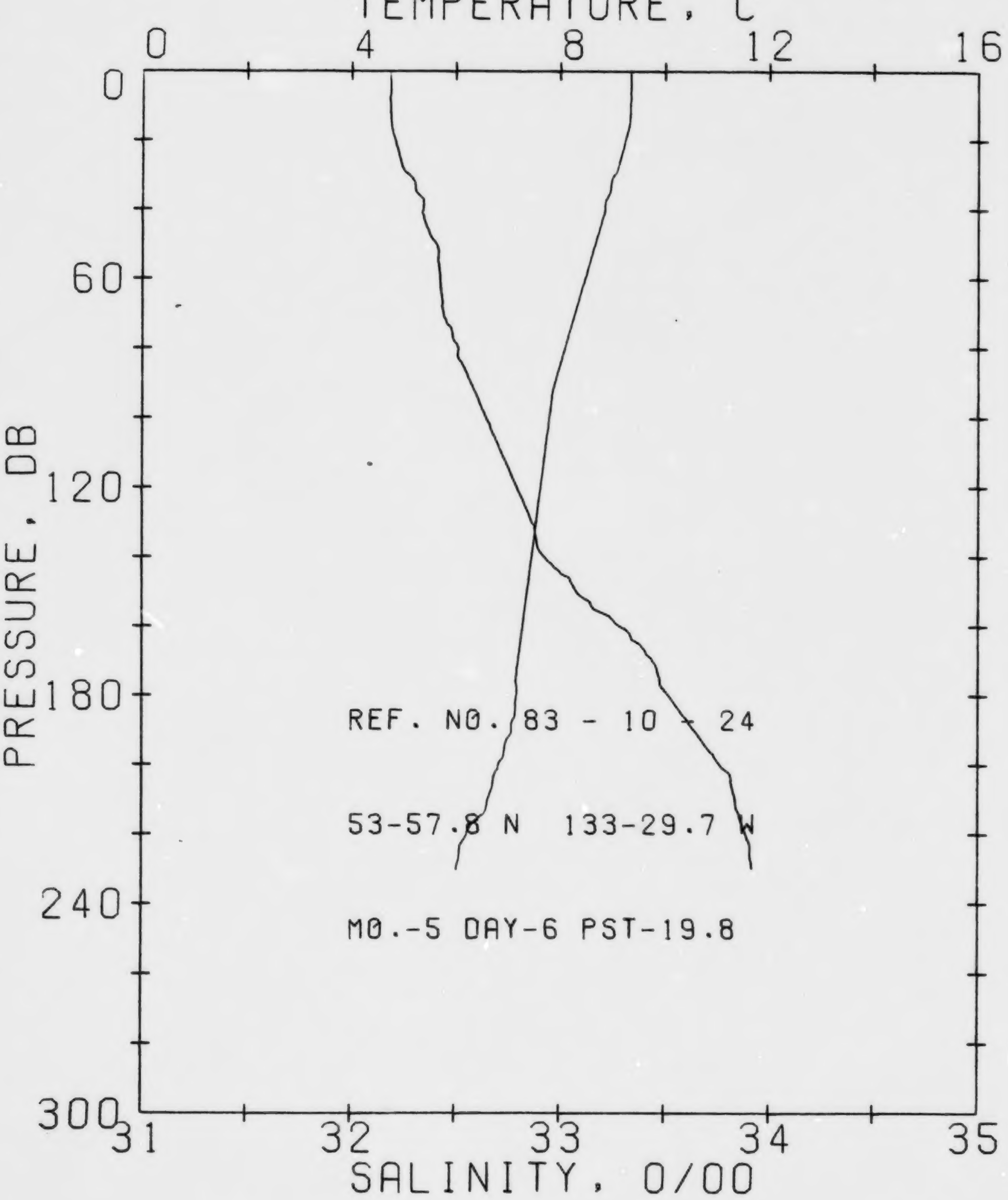
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 23
53-59.2 N 133-23.0 W
MO.-5 DAY-6 PST-19.2

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 23          DATE  6/ 5/83
POSITION  53-59.2N, 133-23.0W        19.2       STATICN Q18
RESULTS OF STP CAST     54 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T                D      EN
    0    9.35   32.17        0    24.87  308.9      .00     .00   1484.
   10    9.24   32.17       10    24.89  307.4      .31     .02   1484.
   20    9.00   32.22       20    24.97  300.1      .61     .06   1483.
   30    8.52   32.33       30    25.13  284.7      .90     .14   1482.
   50    7.97   32.48       50    25.32  266.5     1.45     .36   1480.
```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16
PRESSURE, DB
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60
120
180
240
300
31
32
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34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 24
53-57.8 N 133-29.7 W
MO.-5 DAY-6 PST-19.8

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 24          DATE  6/ 5/83
POSITION   53-57.8N, 133-29.7W          19.8        STATION Q19
RESULTS OF STP CAST   220 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T               D        EN
   0     9.35    32.19       0    24.89   307.4     .00      .00    1484.
  10     9.34    32.19      10    24.89   307.4     .31      .02    1485.
  20     9.25    32.21      20    24.92   304.4     .61      .06    1484.
  30     9.04    32.28      30    25.01   296.2     .92      .14    1484.
  50     8.68    32.41      50    25.17   281.6    1.49      .37    1483.
  75     8.20    32.49      75    25.30   269.6    2.19      .81    1482.
 100     7.80    32.65      99    25.48   252.3    2.84     1.40    1481.
 125     7.59    32.83     124    25.66   236.0    3.45     2.09    1481.
 150     7.38    33.08     149    25.88   215.2    4.02     2.89    1480.
 175     7.17    33.48     174    26.22   183.1    4.51     3.70    1481.
 200     6.84    33.76     199    26.49   157.8    4.94     4.52    1480.
 225     6.10    33.91     223    26.70   138.0    5.31     5.32    1478.
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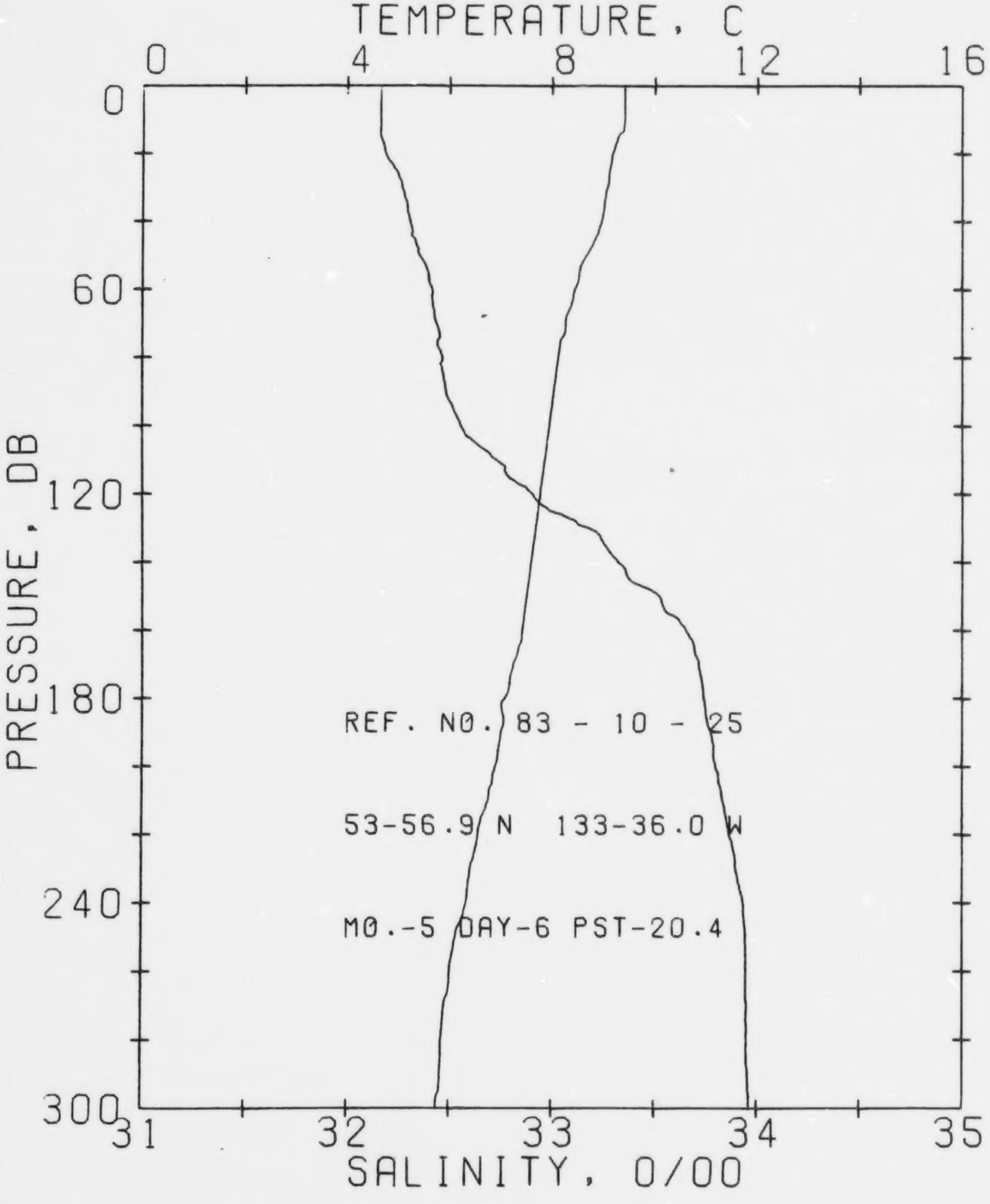
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32
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34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 25
53-56.9 N 133-36.0 W
MO.-5 DAY-6 PST-20.4

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 25          DATE  6/ 5/83
POSITION  53-56.9N, 133-36.0W          20.4       STATION Q20
RESULTS OF STP CAST   382 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                   T                 D       EN
   0     9.41   32.17       0    24.86  309.8      .00      .00   1485.
  10     9.41   32.16      10    24.86  310.2      .31      .02   1485.
  20     9.17   32.19      20    24.92  304.8      .62      .06   1484.
  30     9.08   32.27      30    24.99  297.8      .92      .14   1484.
  50     8.67   32.35      50    25.12  285.7     1.50      .38   1483.
  75     8.16   32.44      75    25.26  272.8     2.20      .82   1481.
 100     7.95   32.55      99    25.39  261.4     2.87     1.42   1481.
 125     7.73   32.99     124    25.76  226.0     3.48     2.11   1481.
 150     7.51   33.53     149    26.21  183.8     3.99     2.82   1482.
 175     7.19   33.73     174    26.42  164.6     4.42     3.54   1481.
 200     6.91   33.80     199    26.51  156.2     4.82     4.30   1480.
 225     6.50   33.89     223    26.63  144.6     5.19     5.12   1479.
 250     6.13   33.94     248    26.72  136.1     5.55     5.96   1478.
 300     5.75   33.96     298    26.79  130.7     6.21     7.83   1478.
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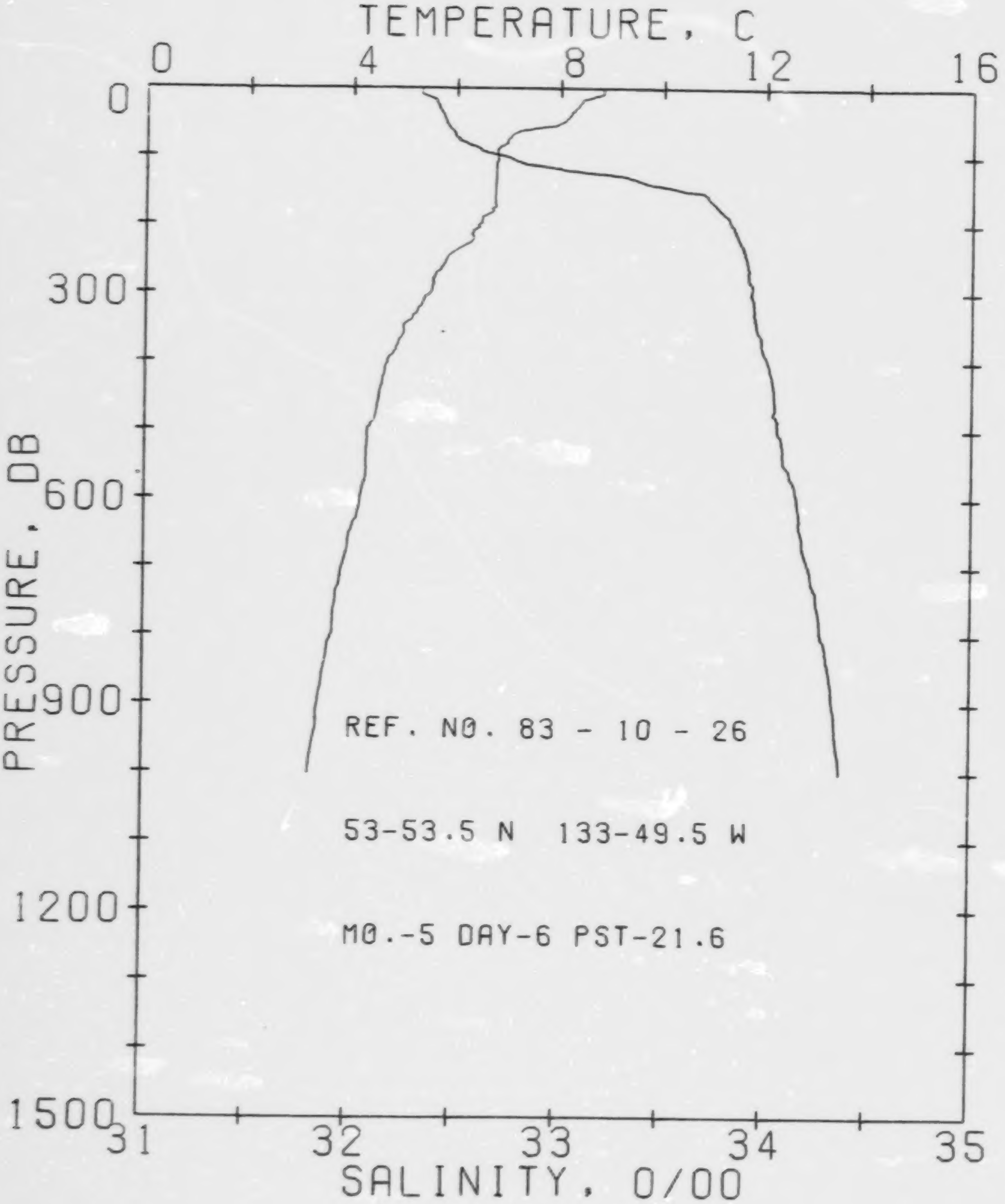
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PRESSURE, DB
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35
SALINITY, 0/00
REF. NO. 83 - 10 - 26
53-53.5 N 133-49.5 W
MO.-5 DAY-6 PST-21.6

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 26          DATE  6/ 5/83
POSITION  53-53.5N, 133-49.5W         21.6       STATICN Q21
RESULTS OF STP CAST  1003 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP     SAL    DEPTH     SIGMA     SVA    DELTA     POT.    SOUND
                                      T                D       EN
    0     8.84   32.34        0     25.08   288.7      .00      .00    1483.
   10     8.75   32.34       10     25.10   287.3      .29      .01    1482.
   20     8.42   32.40       20     25.20   278.2      .57      .06    1481.
   30     8.30   32.42       30     25.23   275.5      .85      .13    1481.
   50     8.06   32.45       50     25.29   269.7     1.39      .35    1481.
   75     6.98   32.52       75     25.49   250.9     2.04      .76    1477.
  100     6.79   32.74       99     25.69   232.4     2.65     1.30    1477.
  125     6.76   33.18      124     26.04   199.6     3.20     1.93    1478.
  150     6.75   33.60      149     26.37   168.2     3.65     2.57    1479.
  175     6.70   33.77      174     26.51   155.5     4.05     3.23    1479.
  200     6.41   33.83      199     26.60   147.4     4.43     3.95    1478.
  225     6.30   33.88      223     26.65   142.9     4.79     4.73    1478.
  250     5.82   33.91      248     26.73   135.0     5.14     5.57    1477.
  300     5.50   33.93      298     26.79   129.8     5.80     7.42    1477.
  400     4.69   34.01      397     26.95   115.3     7.02    11.78    1475.
  500     4.31   34.06      496     27.03   108.8     8.14    16.91    1475.
  600     4.18   34.16      595     27.12   100.7     9.19    22.79    1476.
  800     3.65   34.27      793     27.27    87.6    11.07    36.11    1477.
 1000     3.21   34.37      990     27.39    77.0    12.69    50.98    1479.
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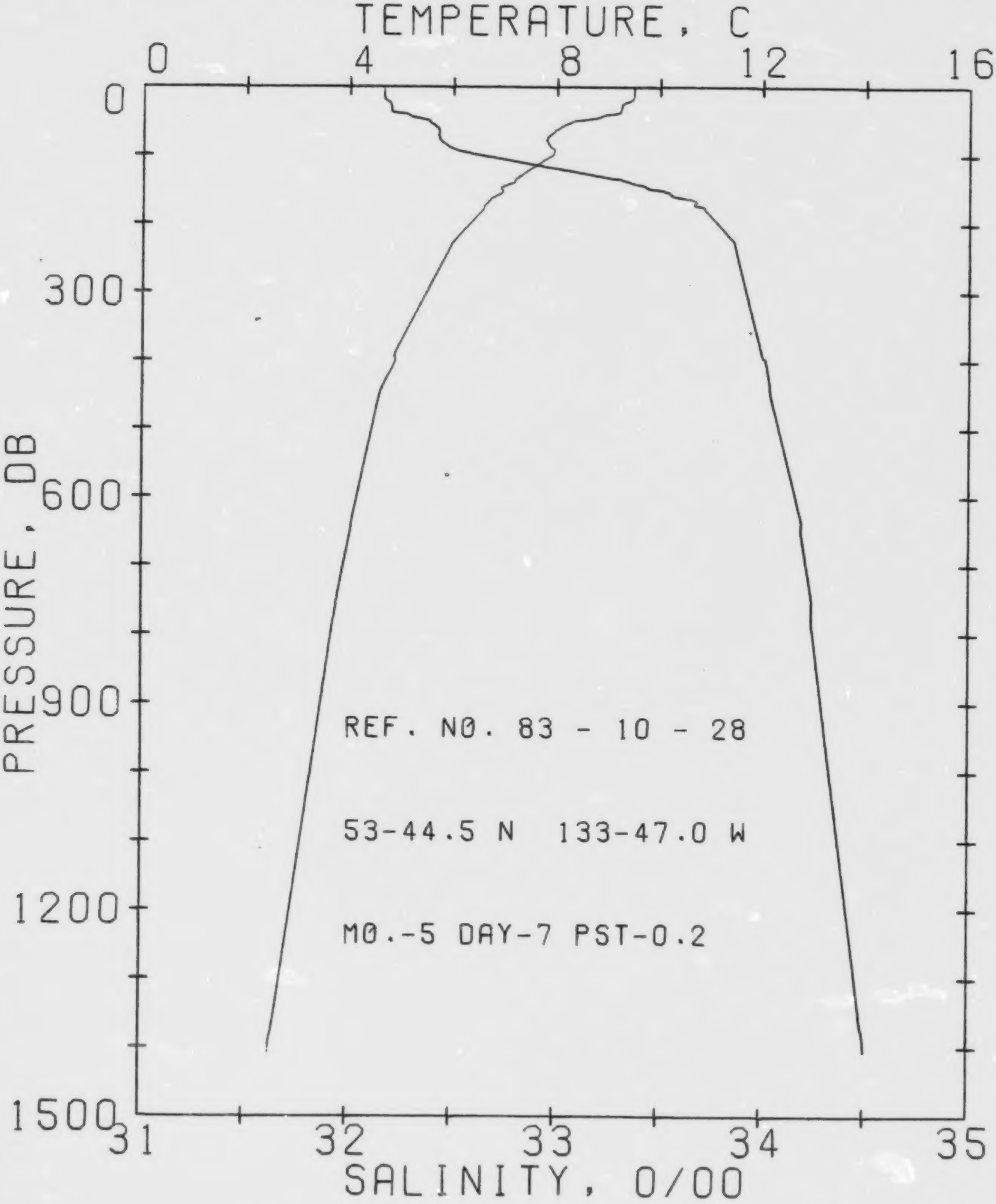
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35
SALINITY, 0/00
REF. NO. 83 - 10 - 28
53-44.5 N 133-47.0 W
MO.-5 DAY-7 PST-0.2

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 28          DATE  7/ 5/83
POSITION  53-44.5N, 133-47.0W           .2       STATION G22
RESULTS OF STP CAST   239 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T                D       EN
    0    9.50   32.17       0    24.85   311.3     .00     .00   1485.
   10    9.50   32.17      10    24.85   311.4     .31     .02   1485.
   20    9.43   32.17      20    24.86   310.0     .62     .06   1485.
   30    9.25   32.20      30    24.91   305.3     .93     .14   1485.
   50    8.31   32.39      50    25.20   278.1    1.52     .38   1482.
   75    7.80   32.43      75    25.31   268.1    2.20     .81   1480.
  100    7.91   32.63      99    25.45   255.2    2.86    1.40   1481.
  125    7.39   33.11     124    25.90   212.9    3.45    2.07   1480.
  150    6.96   33.49     149    26.26   179.1    3.93    2.75   1479.
  175    6.61   33.71     174    26.48   158.3    4.35    3.44   1479.
  200    6.34   33.79     199    26.57   149.7    4.74    4.17   1478.
  225    6.03   33.86     223    26.67   140.7    5.10    4.96   1477.
  250    5.85   33.88     248    26.71   137.3    5.45    5.80   1477.
  300    5.51   33.92     298    26.78   130.6    6.12    7.67   1477.
  400    4.91   34.02     397    26.93   117.6    7.36   12.07   1476.
  500    4.45   34.08     496    27.03   108.5    8.49   17.23   1476.
  600    4.17   34.16     595    27.13   100.2    9.53   23.06   1476.
  800    3.67   34.25     793    27.24    89.9   11.42   36.47   1478.
 1000    3.29   34.33     990    27.35    80.8   13.12   52.04   1479.
 1200    2.90   34.42    1188    27.45    71.6   14.65   69.03   1481.
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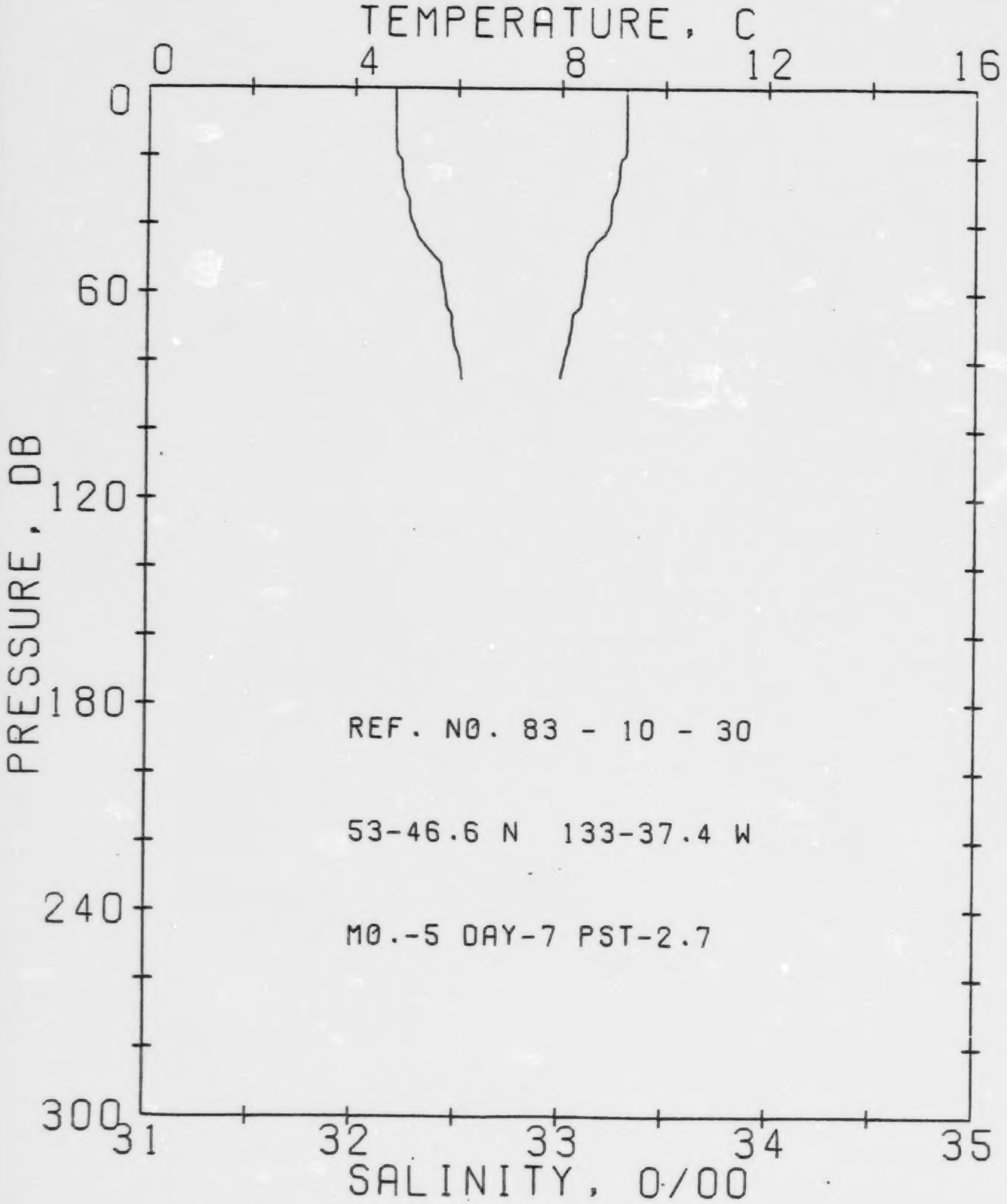
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32
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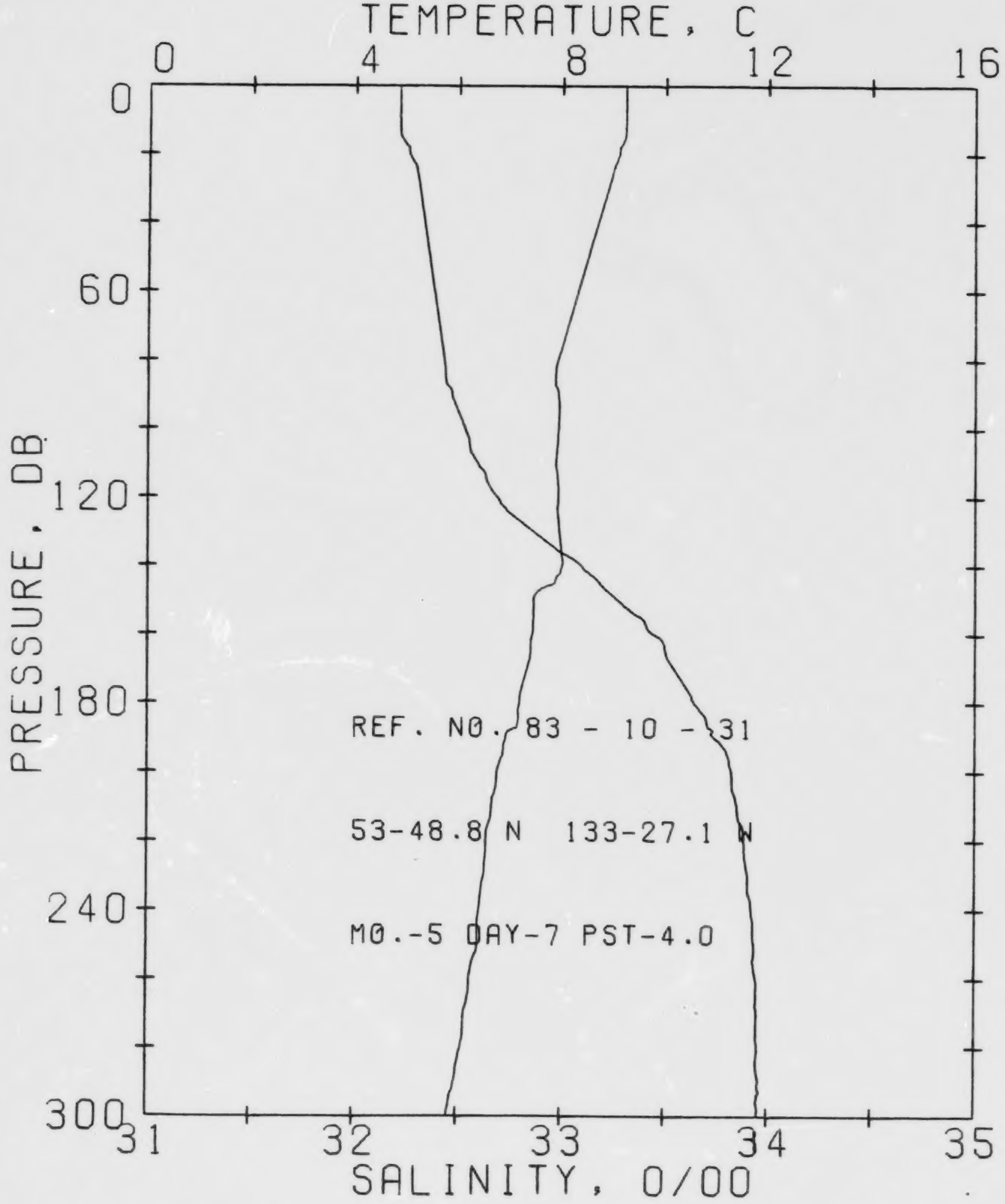
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 30
53-46.6 N 133-37.4 W
MO.-5 DAY-7 PST-2.7

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 30          DATE  7/ 5/83
POSITION  53-46.6N, 133-37.4W          2.7        STATION Q23
RESULTS OF STP CAST    86 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA    POT.    SOUND
                                    T                D       EN
   0     9.25   32.20       0    24.91   305.3     .00      .00   1484.
  10     9.25   32.20      10    24.91   305.3     .31      .02   1484.
  20     9.22   32.21      20    24.92   304.2     .61      .06   1484.
  30     9.06   32.24      30    24.98   299.5     .91      .14   1484.
  50     8.49   32.39      50    25.18   280.1    1.50      .38   1482.
  75     8.14   32.48      75    25.30   269.0    2.18      .81   1481.
```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180
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300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 31
53-48.8 N 133-27.1 W
MO.-5 DAY-7 PST-4.0

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 31          DATE  7/ 5/83
POSITION  53-48.8N, 133-27.1W          4.0       STATION Q24
RESULTS OF STP CAST   298 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA    POT.    SOUND
                                    T                D       EN
   0     9.22    32.21      0     24.93    303.6     .00      .00   1484.
  10     9.23    32.21     10     24.93    303.7     .30      .02   1484.
  20     9.10    32.26     20     24.98    298.7     .61      .06   1484.
  30     8.88    32.31     30     25.06    291.8     .90      .14   1483.
  50     8.50    32.36     50     25.15    283.0    1.47      .37   1482.
  75     8.02    32.42     75     25.27    272.1    2.17      .81   1481.
 100     7.93    32.53     99     25.37    262.7    2.84     1.41   1481.
 125     7.91    32.76    124     25.55    246.2    3.48     2.14   1482.
 150     7.45    33.27    149     26.02    202.0    4.04     2.93   1481.
 175     7.25    33.60    174     26.30    175.3    4.51     3.70   1481.
 200     6.76    33.82    199     26.55    152.3    4.92     4.48   1480.
 225     6.54    33.89    223     26.63    145.0    5.29     5.28   1479.
 250     6.39    33.93    248     26.68    140.1    5.65     6.14   1479.
 300     5.82    33.95    298     26.77    132.4    6.33     8.05   1478.
 400     4.79    34.02    397     26.94    116.0    7.57    12.43   1475.
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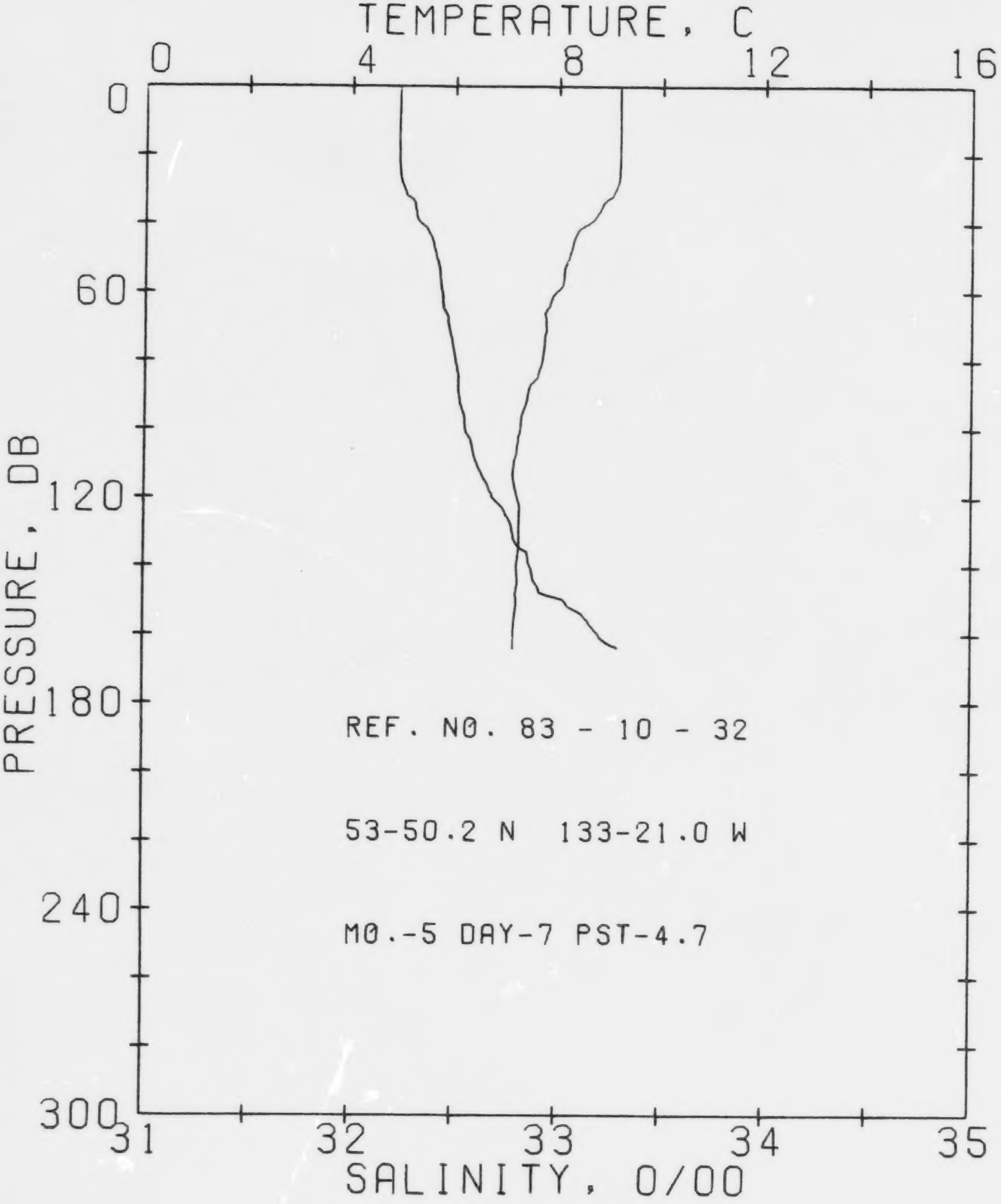
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SALINITY, 0/00
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32
33
34
35
REF. N0. 83 - 10 - 32
53-50.2 N 133-21.0 W
M0.-5 DAY-7 PST-4.7

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 32         DATE  7/ 5/83
POSITION  53-50.2N, 133-21.0W          4.7      STATICN Q25
RESULTS OF STP CAST   165 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                      T                D        EN
   0      9.18    32.23        0    24.95   301.5      .00      .00    1484.
  10      9.18    32.23       10    24.95   301.9      .30      .02    1484.
  20      9.18    32.23       20    24.95   302.1      .60      .06    1484.
  30      9.10    32.26       30    24.98   299.0      .91      .14    1484.
  50      8.20    32.41       50    25.24   275.0     1.48      .37    1481.
  75      7.73    32.49       75    25.37   262.9     2.15      .80    1480.
 100      7.28    32.55       99    25.48   252.5     2.79     1.37    1479.
 125      7.26    32.75      124    25.64   238.0     3.40     2.07    1479.
 150      7.19    33.03      149    25.87   216.4     3.98     2.88    1480.
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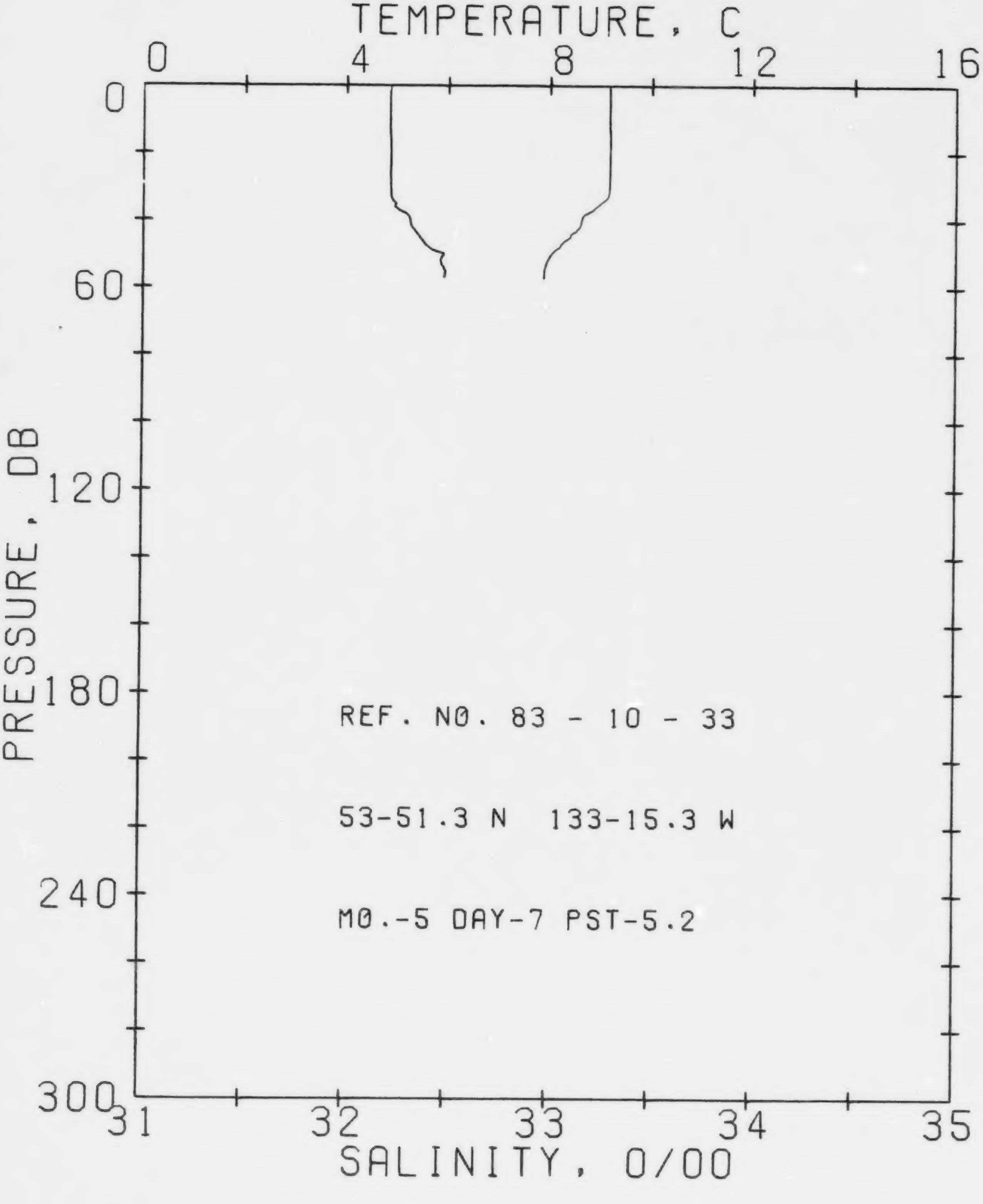
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PRESSURE, DB
31
32
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34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 33
53-51.3 N 133-15.3 W
MO.-5 DAY-7 PST-5.2

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 33        DATE  7/ 5/83
POSITION  53-51.3N, 133-15.3W        5.2      STATION Q26
RESULTS OF STP CAST    58 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0     9.17    32.22       0    24.94   302.4     .00      .00  1484.
  10     9.17    32.21      10    24.94   302.8     .30      .02  1484.
  20     9.18    32.22      20    24.94   303.0     .61      .06  1484.
  30     9.17    32.22      30    24.94   303.0     .91      .14  1484.
  50     8.04    32.48      50    25.32   267.3    1.49      .37  1481.
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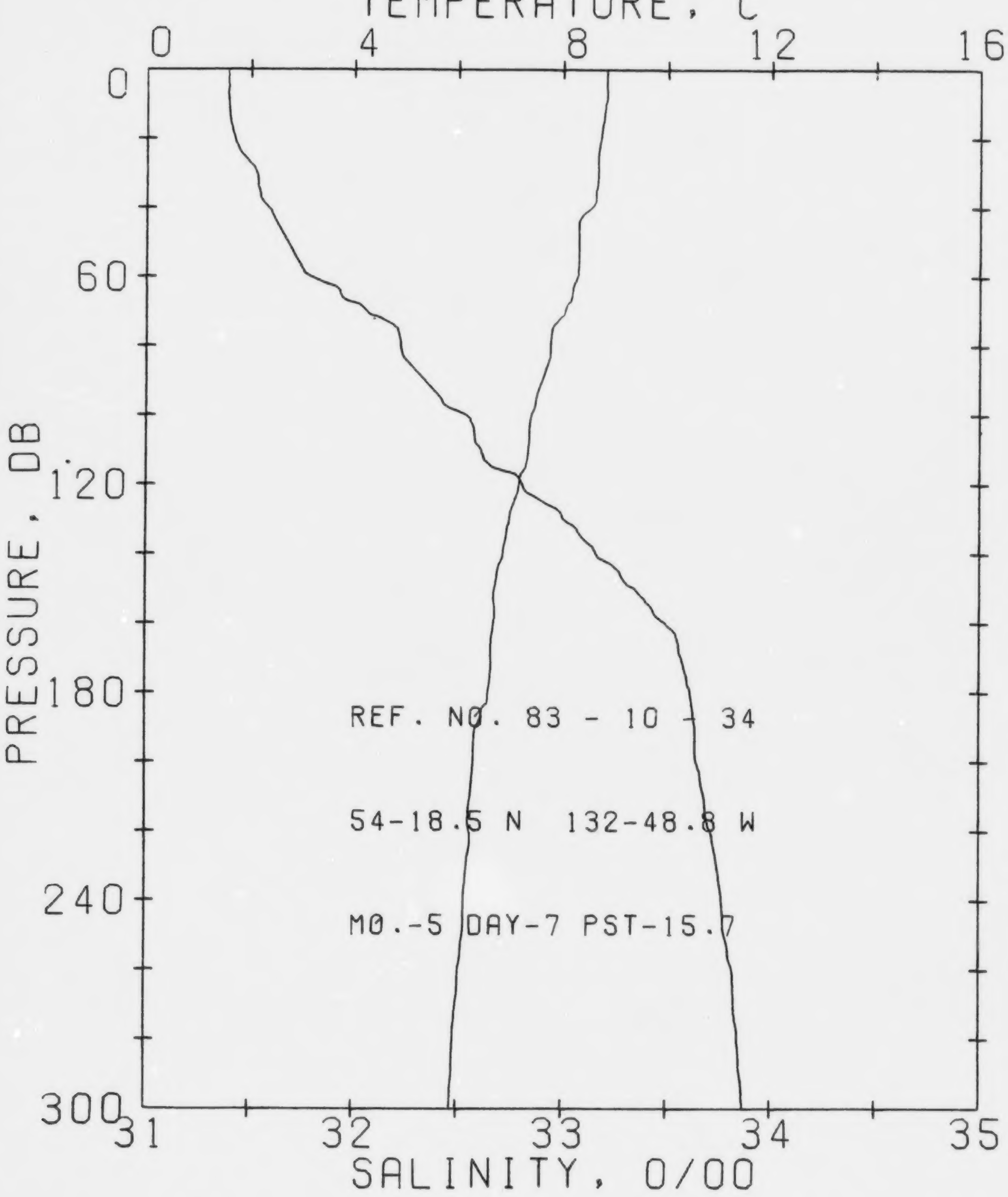
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PRESSURE, DB
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35
SALINITY, 0/00
REF. NO. 83 - 10 - 34
54-18.5 N 132-48.8 W
MO.-5 DAY-7 PST-15.7

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 34         DATE  7/ 5/83
POSITION   54-18.5N, 132-48.8W        15.7       STATION Q27
RESULTS OF STP CAST   336 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL     DEPTH     SIGMA     SVA     DELTA     POT.    SOUND
                                        T                 D       EN
    0     8.83     31.39        0     24.35    358.7      .00      .00    1481.
   10     8.81     31.39       10     24.35    358.5      .36      .02    1481.
   20     8.72     31.42       20     24.39    355.1      .72      .07    1481.
   30     8.67     31.53       30     24.48    346.8     1.07      .16    1481.
   50     8.30     31.68       50     24.65    330.6     1.75      .44    1481.
   75     7.80     32.21       75     25.14    284.6     2.53      .93    1480.
  100     7.41     32.54       99     25.45    254.9     3.22     1.54    1479.
  125     7.08     32.91      124     25.79    223.6     3.82     2.24    1479.
  150     6.70     33.35      149     26.18    186.4     4.33     2.95    1478.
  175     6.62     33.59      174     26.39    167.4     4.77     3.68    1479.
  200     6.30     33.64      199     26.47    159.9     5.18     4.45    1478.
  225     6.23     33.73      223     26.54    152.9     5.57     5.30    1478.
  250     6.11     33.78      248     26.60    147.9     5.94     6.20    1478.
  300     5.88     33.87      298     26.70    139.0     6.66     8.20    1478.
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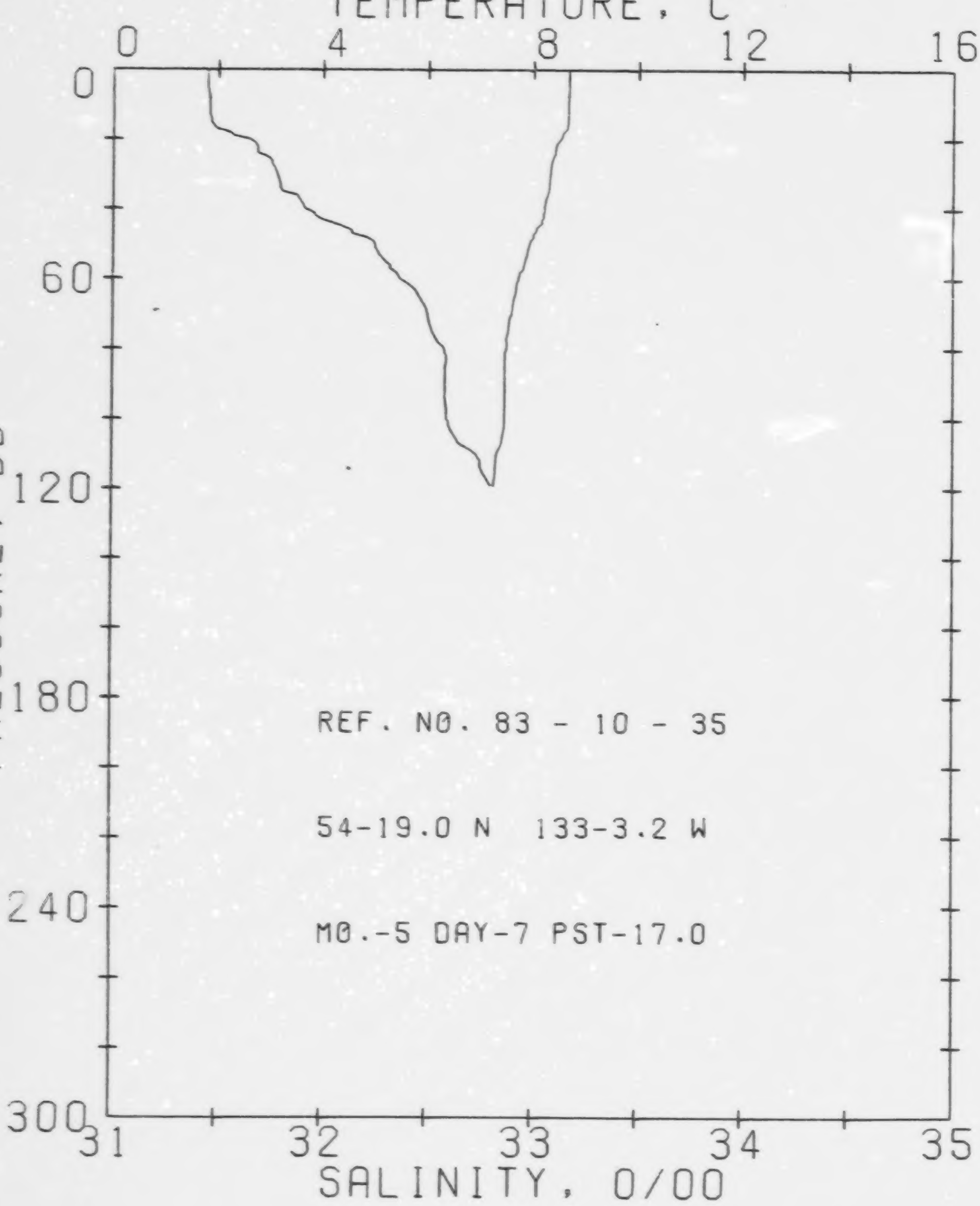
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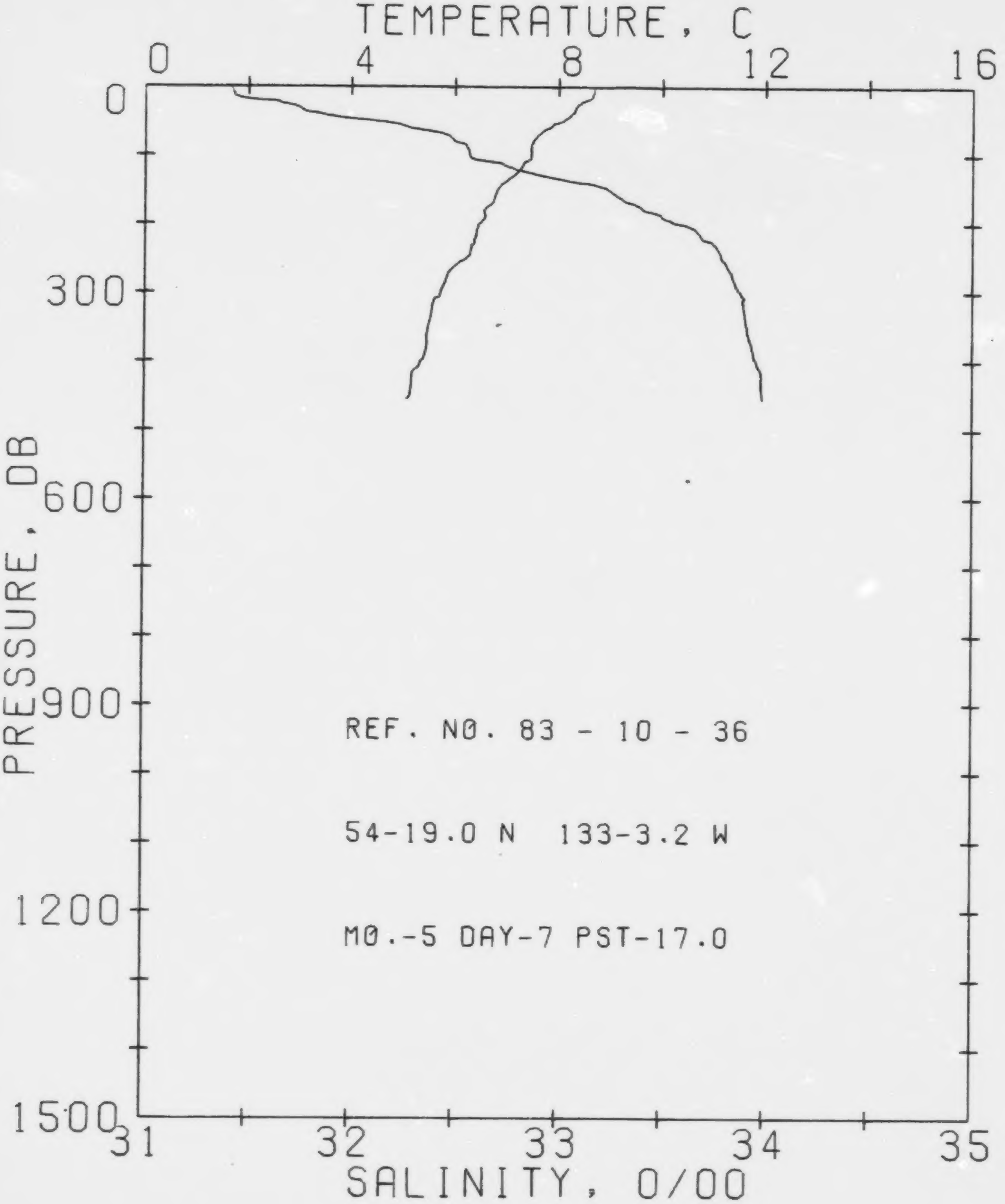
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 35
54-19.0 N 133-3.2 W
MO.-5 DAY-7 PST-17.0

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 35          DATE  7/ 5/83
POSITION  54-19.0N, 133- 3.2W        17.0       STATION Q28
RESULTS OF STP CAST    91 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0     8.67    31.45      0    24.42   352.2     .00     .00   1481.
  10     8.66    31.46     10    24.43   351.5     .35     .02   1481.
  20     8.51    31.66     20    24.60   334.6     .70     .07   1481.
  30     8.32    31.78     30    24.73   322.8    1.03     .15   1480.
  50     7.93    32.25     50    25.15   283.1    1.64     .40   1480.
  75     7.53    32.52     75    25.42   257.9    2.31     .83   1479.
 100     7.45    32.59     99    25.48   252.0    2.95    1.39   1479.
```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600
900
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1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 36
54-19.0 N 133-3.2 W
MO.-5 DAY-7 PST-17.0

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 36         DATE  7/ 5/83
POSITION  54-19.0N, 133- 3.2W         17.0       STATION Q28
RESULTS OF STP CAST   390 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH    SIGMA     SVA     DELTA     POT.     SOUND
                                      T                 D        EN
    0     8.69    31.42        0    24.39   354.9       .00      .00    1481.
   10     8.67    31.43       10    24.40   353.7       .35      .02    1481.
   20     8.52    31.55       20    24.52   342.7       .71      .07    1481.
   30     8.32    31.74       30    24.70   326.1      1.04      .16    1480.
   50     8.08    32.12       50    25.03   294.5      1.67      .41    1480.
   75     7.55    32.49       75    25.39   260.6      2.35      .85    1479.
  100     7.48    32.57       99    25.47   253.4      2.99     1.42    1479.
  125     7.18    32.87      124    25.74   227.9      3.60     2.11    1479.
  150     6.82    33.24      149    26.08   195.6      4.12     2.84    1478.
  175     6.61    33.40      174    26.23   181.7      4.60     3.63    1478.
  200     6.45    33.61      199    26.42   164.4      5.03     4.46    1478.
  225     6.37    33.74      223    26.53   153.9      5.43     5.32    1479.
  250     6.21    33.79      248    26.59   148.5      5.81     6.24    1478.
  300     5.71    33.89      298    26.73   135.9      6.51     8.21    1477.
  400     5.33    33.96      397    26.83   126.9      7.83    12.90    1478.
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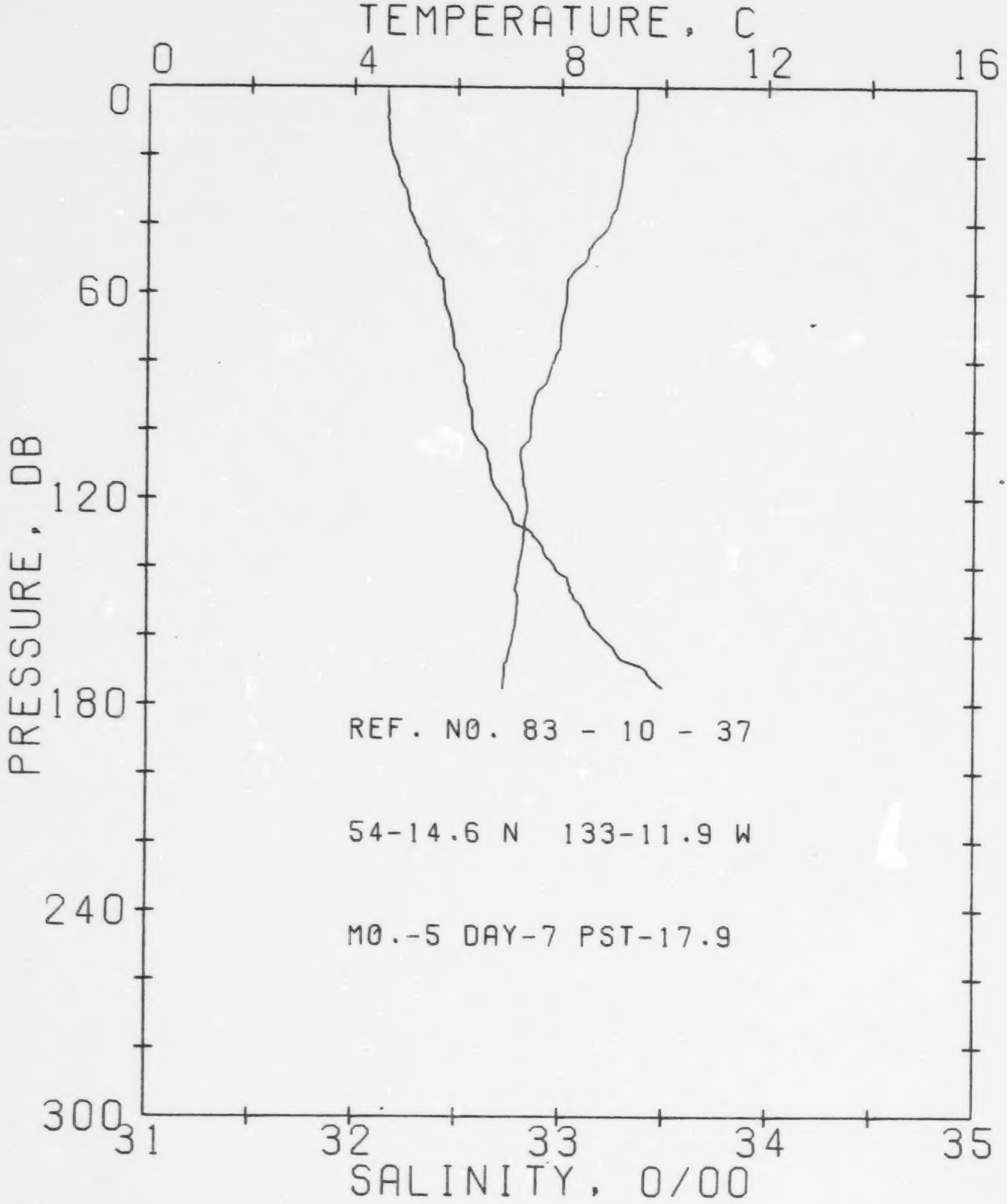
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120
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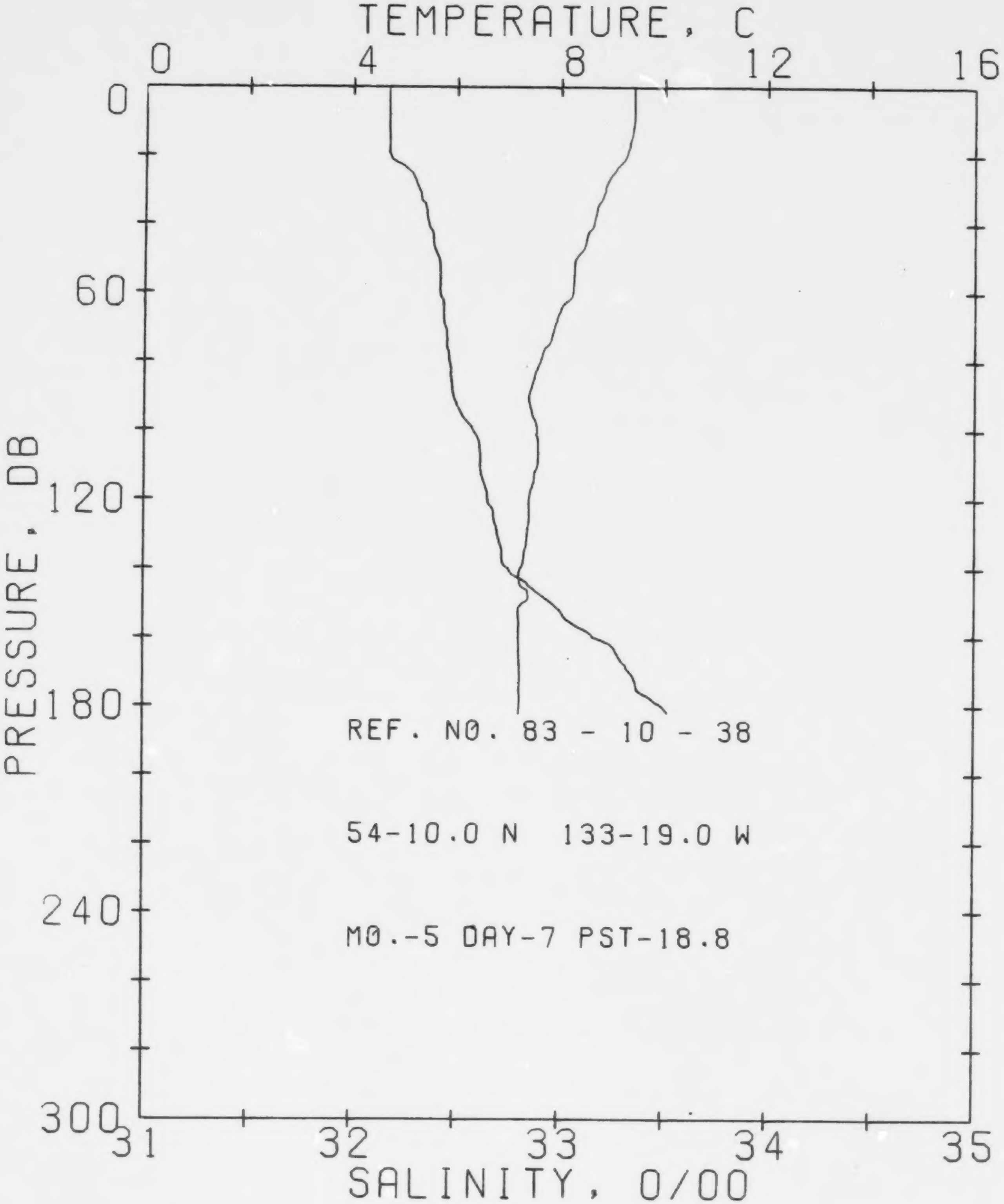
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 37
54-14.6 N 133-11.9 W
MO.-5 DAY-7 PST-17.9

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 37          DATE  7/ 5/83
POSITION   54-14.6N, 133-11.9W          17.9        STATICN Q29
RESULTS OF STP CAST    176 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL     DEPTH     SIGMA     SVA     DELTA     POT.     SOUND
                                        T                 D        EN
    0     9.45    32.16        0     24.85    310.7      .00       .00    1485.
   10     9.39    32.17       10     24.86    309.7      .31       .02    1485.
   20     9.23    32.19       20     24.91    305.9      .62       .06    1484.
   30     9.13    32.25       30     24.97    299.6      .92       .14    1484.
   50     8.50    32.37       50     25.16    282.4     1.51       .38    1482.
   75     8.00    32.48       75     25.32    266.9     2.19       .81    1481.
  100     7.43    32.58       99     25.48    252.6     2.83      1.38    1479.
  125     7.35    32.77      124     25.64    237.5     3.44      2.08    1480.
  150     7.19    33.09      149     25.91    212.2     4.00      2.86    1480.
  175     6.91    33.50      174     26.27    178.3     4.49      3.68    1480.
```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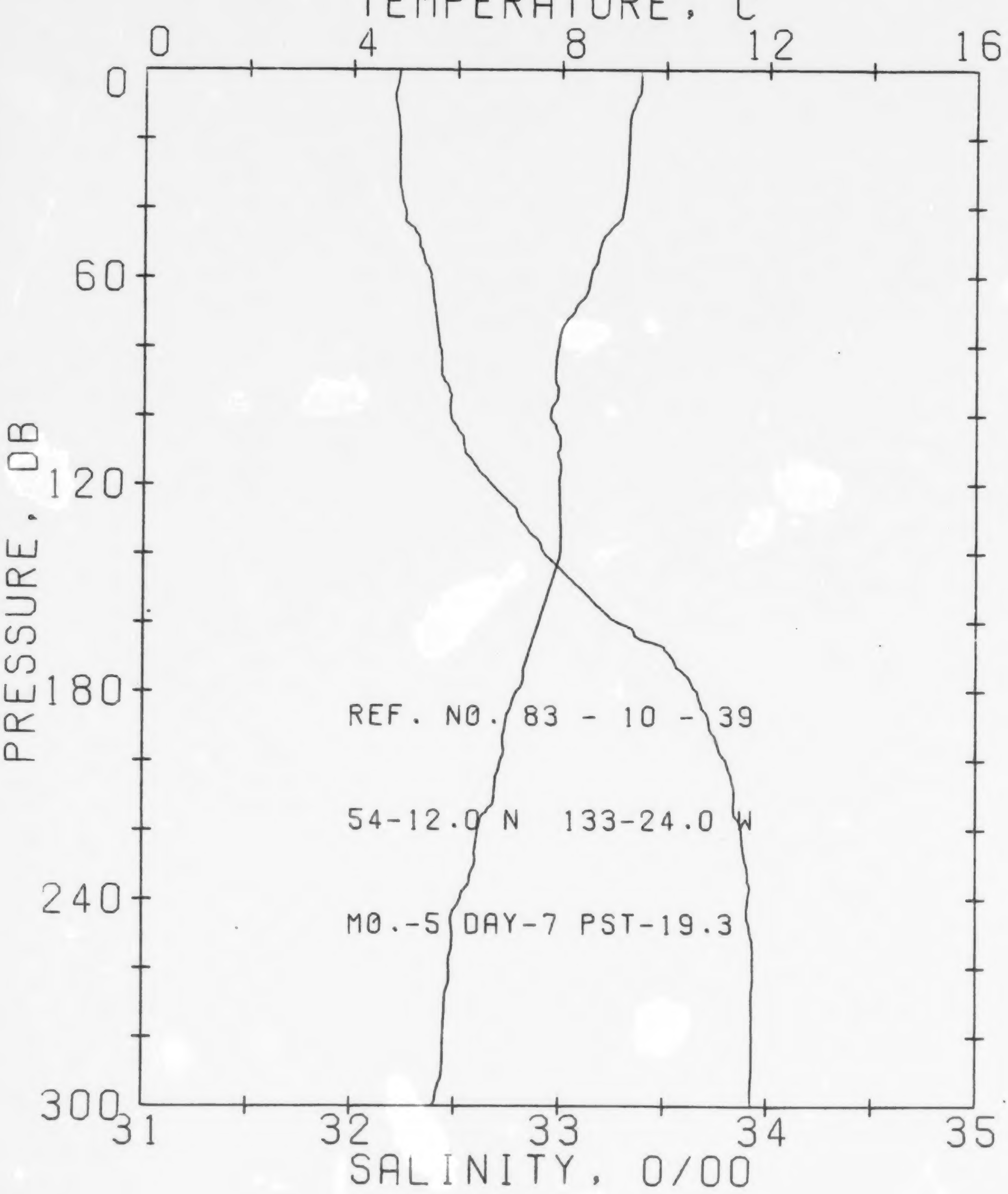
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 38
54-10.0 N 133-19.0 W
MO.-5 DAY-7 PST-18.8

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 38         DATE  7/ 5/83
POSITION  54-10.0N, 133-19.0W          18.8       STATION Q30
RESULTS OF STP CAST   183 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D      EN
   0     9.41    32.17       0    24.87   309.5     .00     .00   1485.
  10     9.41    32.17      10    24.87   309.5     .31     .02   1485.
  20     9.26    32.18      20    24.90   306.9     .62     .06   1484.
  30     8.86    32.32      30    25.07   290.6     .92     .14   1483.
  50     8.29    32.42      50    25.23   275.6    1.48     .37   1481.
  75     7.78    32.45      75    25.33   266.2    2.16     .80   1480.
 100     7.55    32.58      99    25.47   253.8    2.81    1.38   1480.
 125     7.41    32.68     124    25.56   244.9    3.43    2.09   1480.
 150     7.28    32.96     149    25.80   222.5    4.03    2.93   1480.
 175     7.22    33.37     174    26.13   191.9    4.54    3.77   1481.
```


TEMPERATURE, C
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8
12
16
PRESSURE, DB
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60
120
180
240
300
31
32
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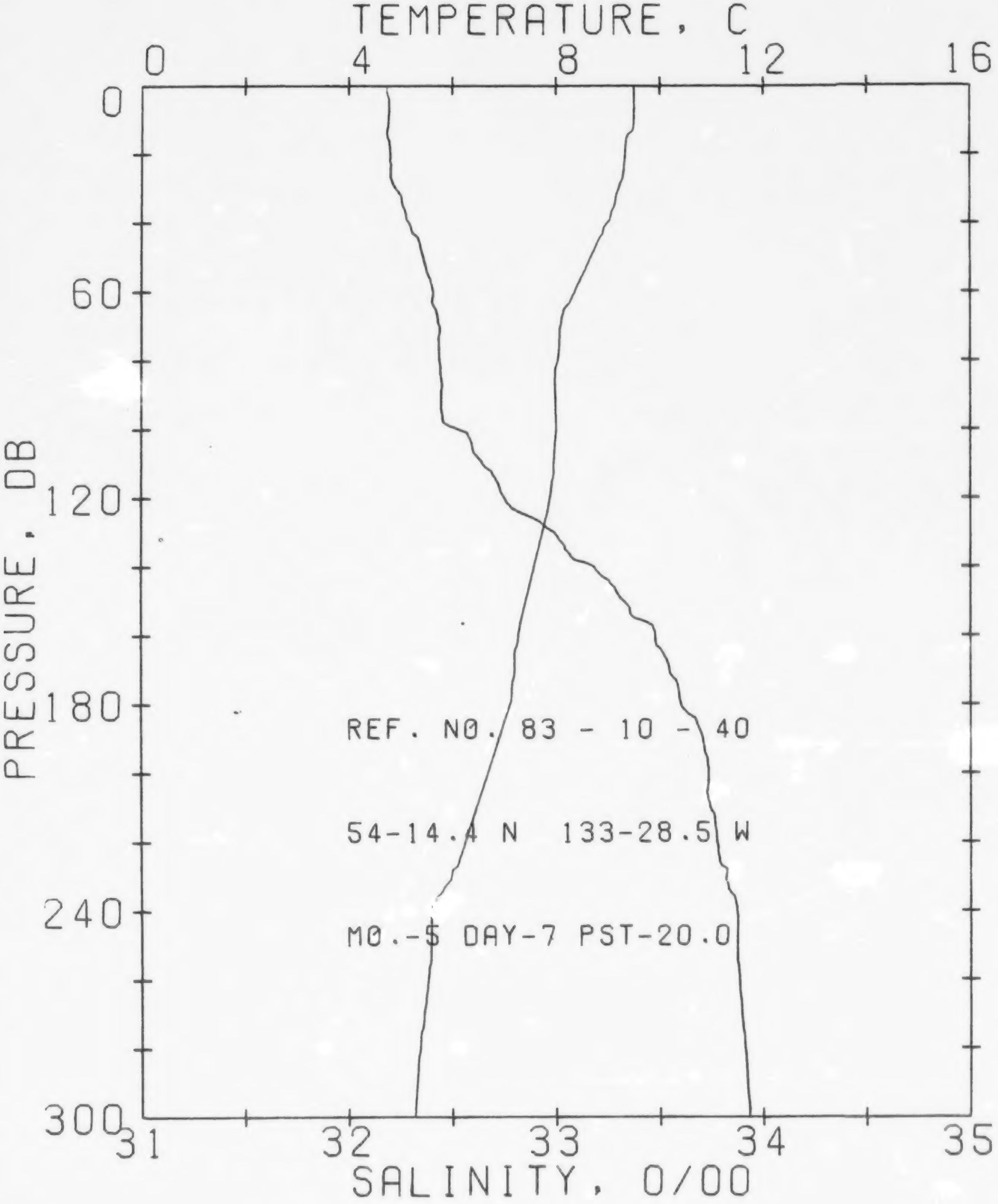
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 39
54-12.0 N 133-24.0 W
MO.-5 DAY-7 PST-19.3

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 39          DATE  7/ 5/83
POSITION  54-12.0N, 133-24.0W         19.3       STATION Q31
RESULTS OF STP CAST   401 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0    9.51    32.22       0    24.89   307.2     .00     .00   1485.
   10    9.39    32.20      10    24.89   306.9     .31     .02   1485.
   20    9.29    32.22      20    24.93   304.1     .61     .06   1485.
   30    9.26    32.22      30    24.93   303.8     .92     .14   1485.
   50    8.76    32.32      50    25.08   289.6    1.52     .38   1483.
   75    8.00    32.40      75    25.26   272.8    2.22     .83   1481.
  100    7.79    32.47      99    25.34   265.5    2.89    1.43   1480.
  125    7.99    32.75     124    25.53   247.9    3.54    2.17   1482.
  150    7.79    33.09     149    25.83   220.1    4.13    3.00   1482.
  175    7.30    33.60     174    26.30   176.2    4.63    3.82   1481.
  200    6.86    33.80     199    26.51   155.8    5.04    4.60   1480.
  225    6.39    33.88     223    26.64   143.7    5.41    5.41   1479.
  250    5.96    33.92     248    26.72   135.9    5.76    6.26   1478.
  300    5.58    33.93     298    26.78   131.1    6.43    8.13   1477.
  400    5.06    33.97     397    26.88   122.8    7.69   12.61   1476.
```


TEMPERATURE, C
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8
12
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PRESSURE, DB
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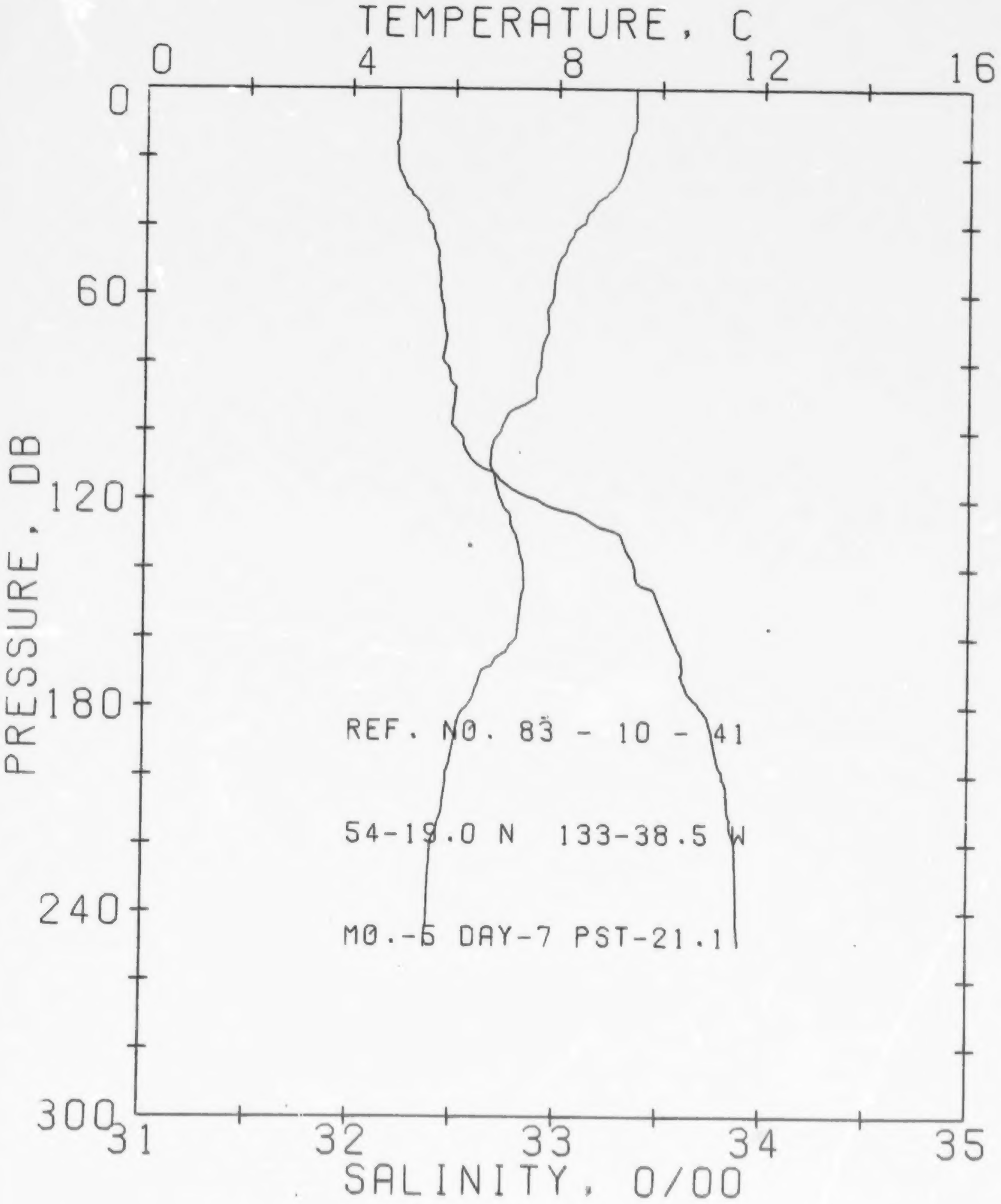
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 40
54-14.4 N 133-28.5 W
MO.-5 DAY-7 PST-20.0

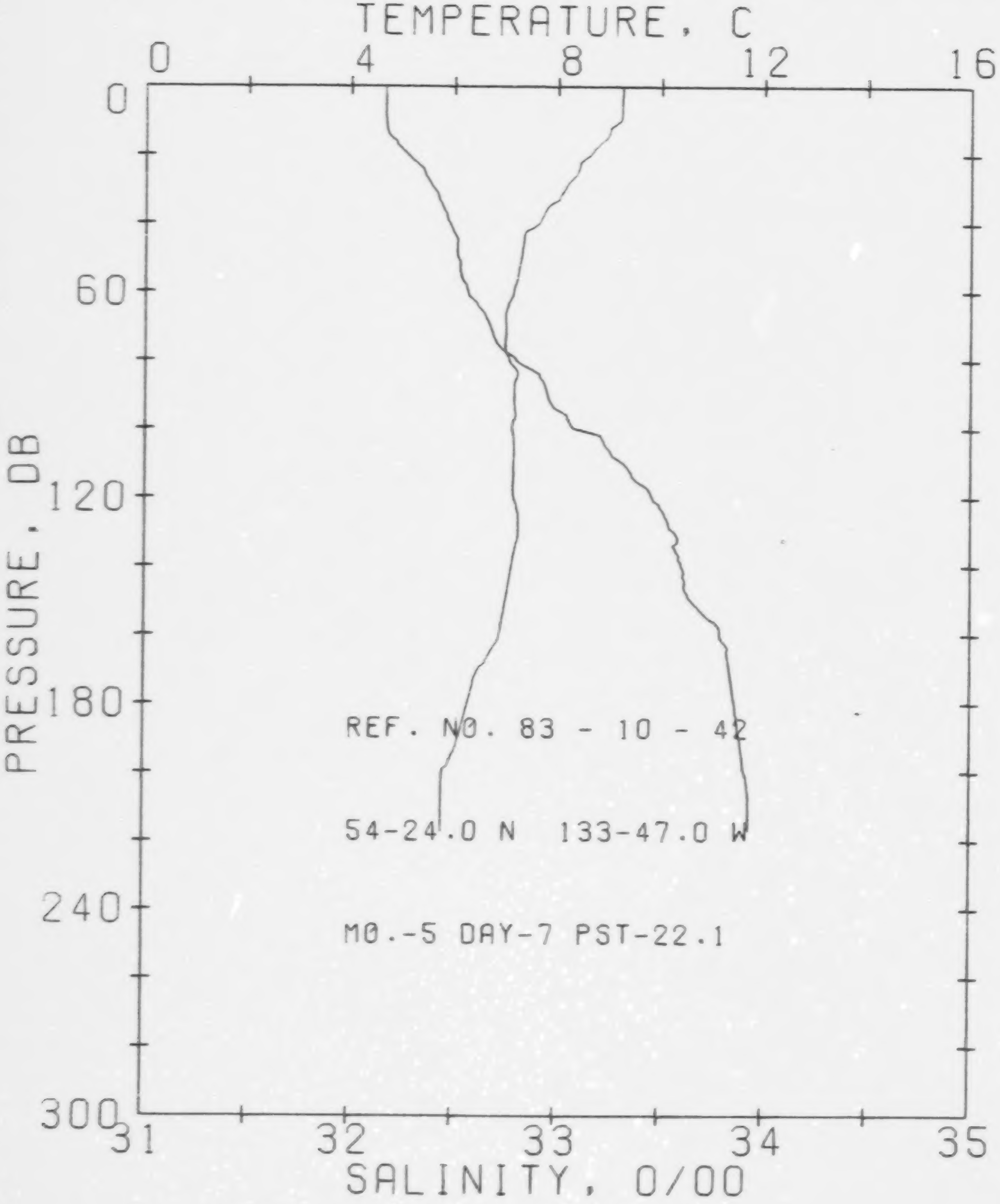
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 40          DATE  7/ 5/83
POSITION   54-14.4N, 133-28.5W          20.0        STATION Q32
RESULTS OF STP CAST    392 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS      TEMP      SAL    DEPTH     SIGMA      SVA     DELTA      POT.    SOUND
                                        T                  D        EN
    0      9.50    32.19        0     24.86    309.7       .00       .00    1485.
   10      9.51    32.19       10     24.86    309.7       .31       .02    1485.
   20      9.34    32.20       20     24.90    306.5       .62       .06    1485.
   30      9.21    32.23       30     24.94    302.8       .92       .14    1484.
   50      8.67    32.36       50     25.13    285.2      1.51       .38    1483.
   75      8.06    32.43       75     25.28    271.6      2.20       .82    1481.
  100      8.00    32.53       99     25.36    263.9      2.88      1.42    1481.
  125      7.81    32.86      124     25.64    237.3      3.51      2.14    1481.
  150      7.41    33.33      149     26.07    197.3      4.05      2.90    1481.
  175      7.15    33.59      174     26.31    174.8      4.51      3.66    1481.
  200      6.68    33.73      199     26.49    158.3      4.92      4.45    1479.
  225      6.13    33.79      223     26.60    147.5      5.31      5.28    1478.
  250      5.59    33.87      248     26.74    134.7      5.65      6.11    1476.
  300      5.27    33.93      298     26.82    127.0      6.31      7.94    1476.
  400      4.91    34.02      397     26.93    117.1      7.53     12.27    1476.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 41
54-19.0 N 133-38.5 W
MO.-5 DAY-7 PST-21.1

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 41          DATE  7/ 5/83
POSITION  54-19.0N, 133-38.5W          21.1       STATION Q33
RESULTS OF STP CAST   240 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH     SIGMA     SVA     DELTA     POT.     SOUND
                                       T                 D        EN
   0      9.50     32.23       0     24.89    306.8      .00      .00     1485.
  10      9.50     32.23      10     24.90    306.7      .31      .02     1485.
  20      9.32     32.22      20     24.92    304.8      .61      .06     1485.
  30      8.98     32.29      30     25.03    294.6      .91      .14     1484.
  50      8.04     32.42      50     25.27    272.1     1.48      .37     1481.
  75      7.72     32.46      75     25.34    265.1     2.15      .79     1480.
 100      6.92     32.52      99     25.50    250.0     2.79     1.37     1477.
 125      7.10     33.13     124     25.96    207.6     3.38     2.04     1479.
 150      7.32     33.50     149     26.21    183.5     3.86     2.72     1481.
 175      6.44     33.63     174     26.44    162.2     4.30     3.43     1478.
 200      5.87     33.81     199     26.65    142.2     4.67     4.15     1476.
 225      5.58     33.87     223     26.74    134.2     5.02     4.89     1476.
 250      5.49     33.89     248     26.76    132.0     5.35     5.70     1476.
```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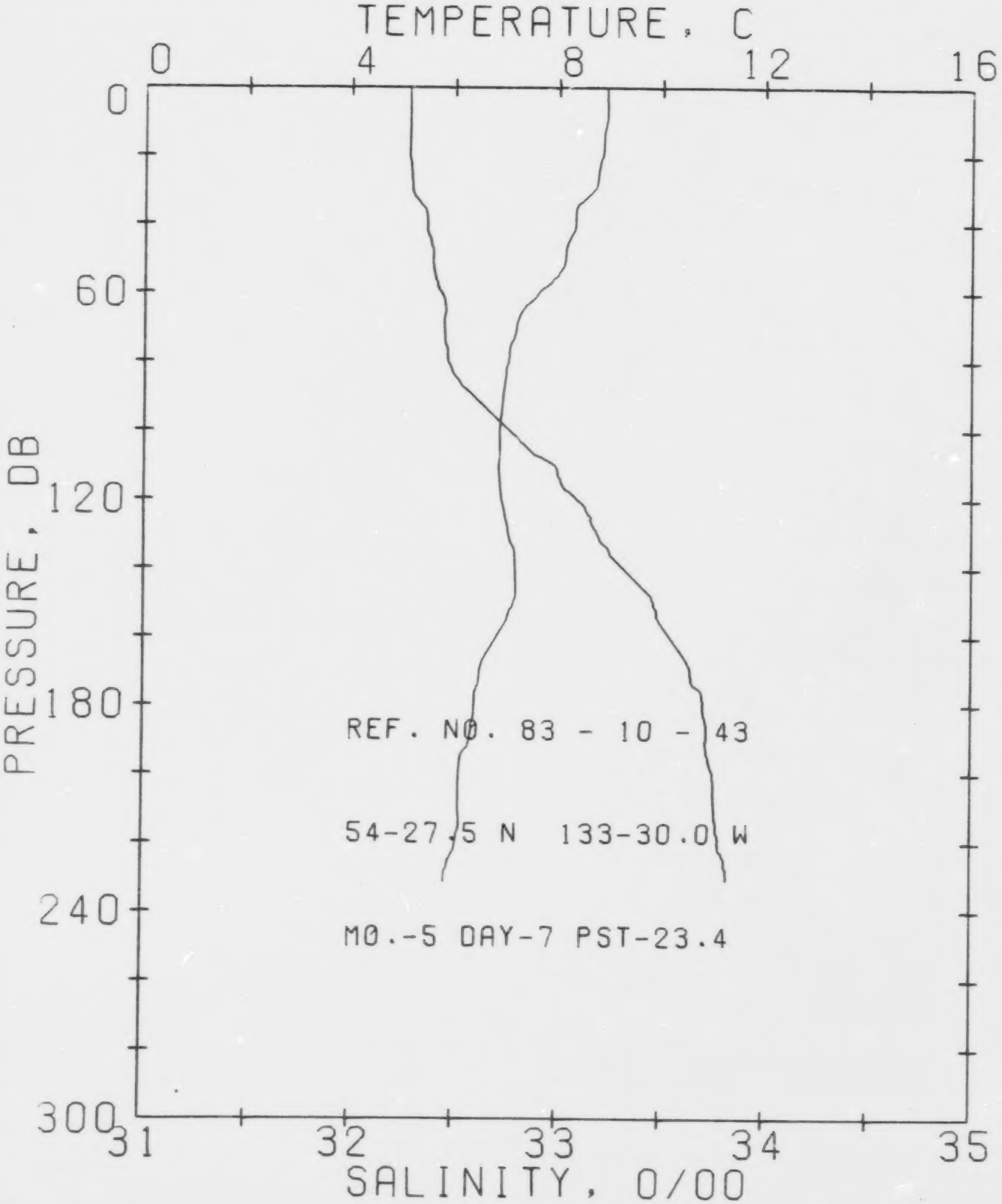
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 83 - 10 - 42
54-24.0 N 133-47.0 W
MO.-5 DAY-7 PST-22.1
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 42          DATE  7/ 5/83
POSITION   54-24.0N, 133-47.0W         22.1       STATION Q34
RESULTS OF STP CAST   218 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D      EN
   0     9.25    32.17       0    24.89   307.4     .00     .00   1484.
  10     9.21    32.17      10    24.90   306.7     .31     .02   1484.
  20     8.62    32.28      20    25.07   290.2     .61     .06   1482.
  30     8.14    32.41      30    25.24   274.0     .89     .13   1481.
  50     7.30    32.52      50    25.45   254.6    1.41     .35   1478.
  75     6.99    32.71      75    25.64   236.7    2.03     .74   1477.
 100     7.12    33.08      99    25.92   210.9    2.58    1.23   1479.
 125     7.25    33.52     124    26.24   180.3    3.06    1.78   1480.
 150     7.01    33.65     149    26.38   167.9    3.50    2.39   1480.
 175     6.37    33.85     174    26.62   145.1    3.89    3.03   1478.
 200     5.79    33.91     199    26.74   133.5    4.23    3.70   1476.
```


TEMPERATURE, C
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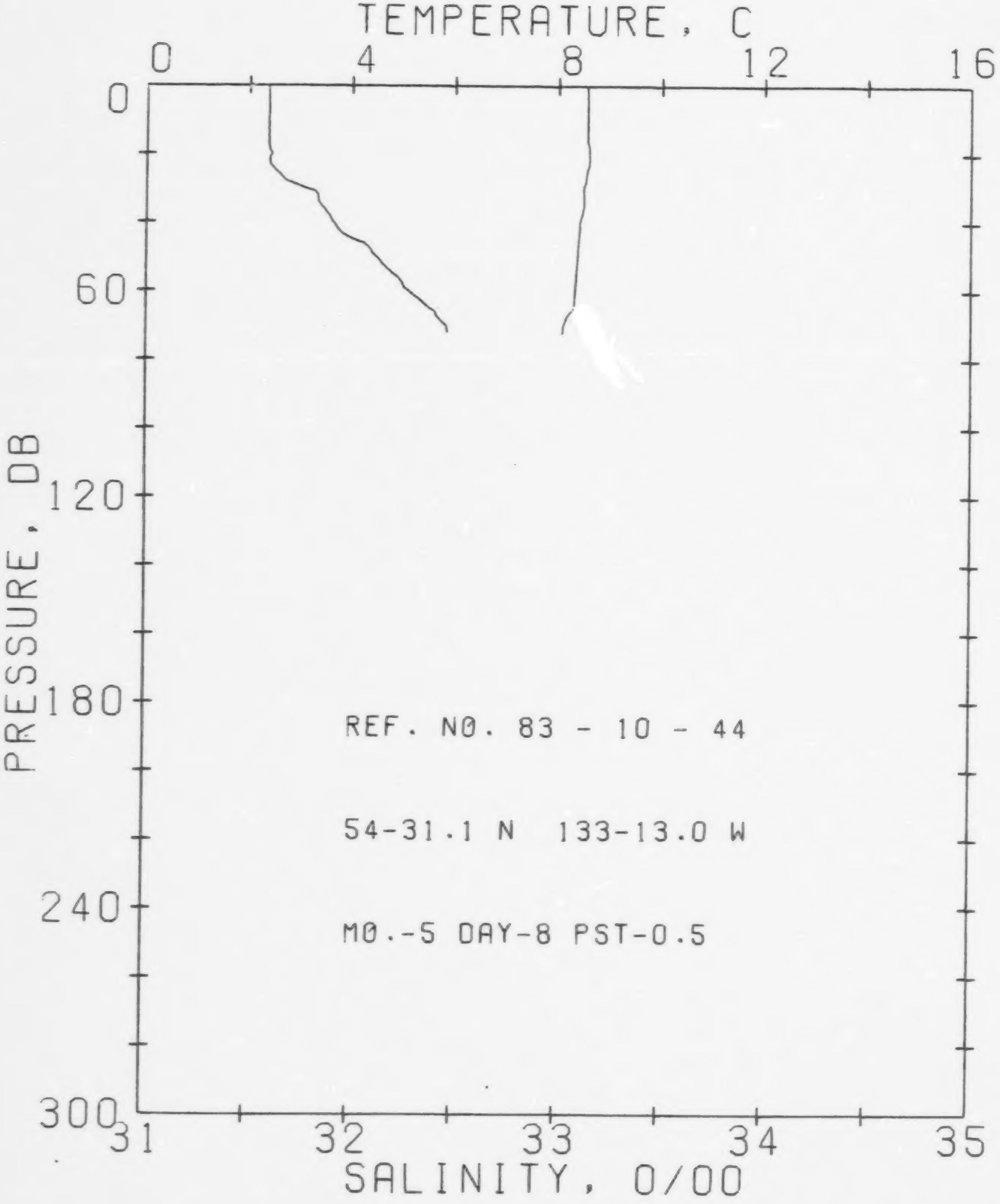
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 83 - 10 - 43
54-27.5 N 133-30.0 W
MO.-5 DAY-7 PST-23.4
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 43          DATE  7/ 5/83
POSITION  54-27.5N, 133-30.0W          23.4       STATION Q35
RESULTS OF STP CAST   210 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA     DELTA     POT.    SOUND
                                    T                D        EN
    0    8.92    32.28       0    25.03   293.9      .00      .00    1483.
   10    8.92    32.28      10    25.03   294.0      .29      .01    1483.
   20    8.84    32.28      20    25.04   293.5      .59      .06    1483.
   30    8.67    32.29      30    25.08   289.9      .88      .13    1482.
   50    8.13    32.39      50    25.23   275.2     1.44      .36    1481.
   75    7.08    32.46      75    25.43   256.7     2.10      .78    1477.
  100    6.86    32.77      99    25.71   230.9     2.72     1.33    1477.
  125    6.97    33.16     124    26.00   203.4     3.26     1.95    1479.
  150    7.15    33.47     149    26.21   183.5     3.74     2.63    1480.
  175    6.44    33.69     174    26.48   158.2     4.17     3.33    1478.
  200    6.11    33.76     199    26.58   149.1     4.56     4.07    1477.
  225    5.92    33.82     223    26.65   142.7     4.93     4.87    1477.
```


TEMPERATURE, C
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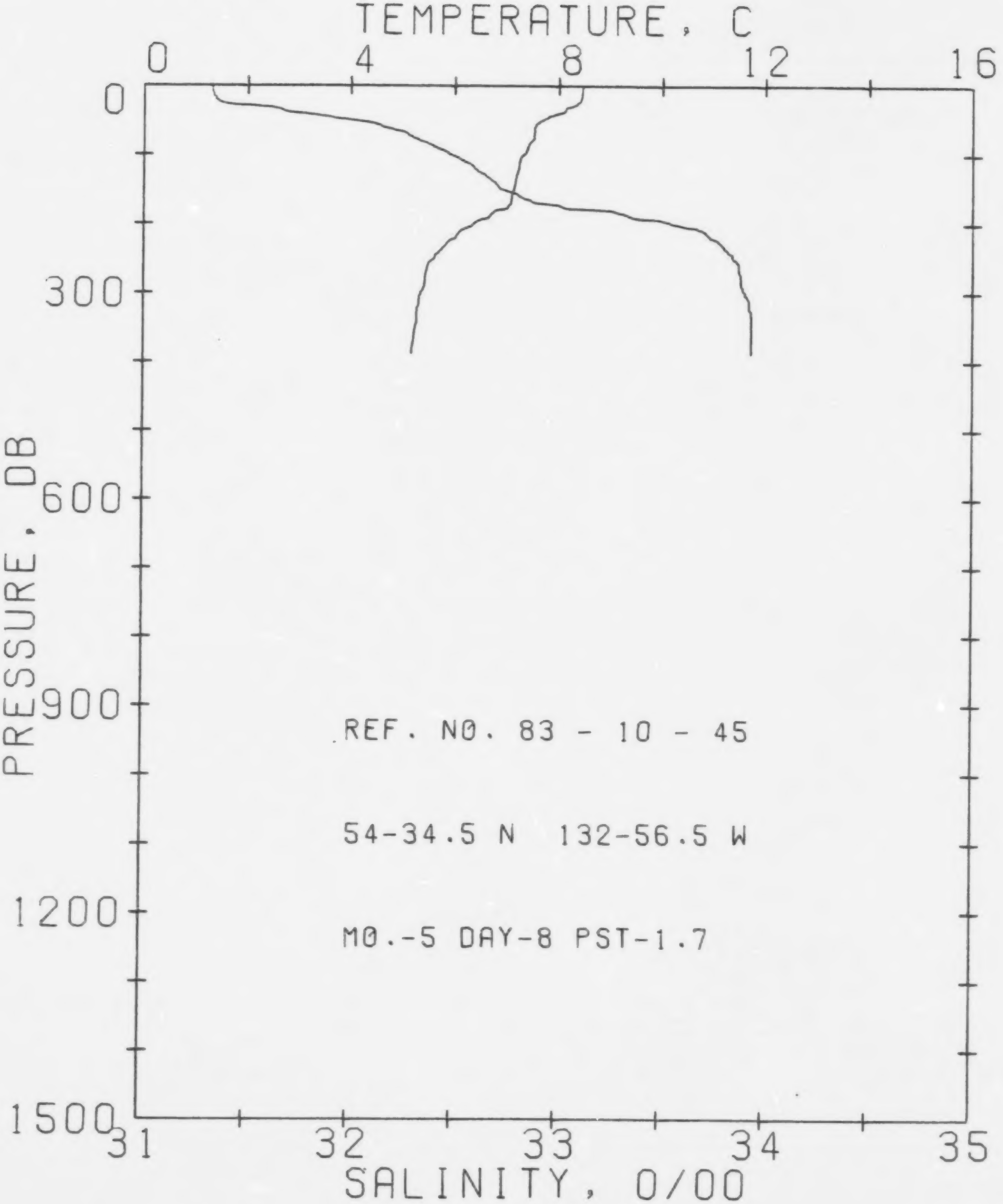
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 83 - 10 - 44
54-31.1 N 133-13.0 W
MO.-5 DAY-8 PST-0.5
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 44          DATE  8/ 5/83
POSITION  54-31.1N, 133-13.0W           .5       STATION Q36
RESULTS OF STP CAST    73 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH     SIGMA     SVA     DELTA     POT.    SOUND
                                       T                 D        EN
   0      8.55     31.59       0     24.55   339.9      .00       .00   1481.
  10      8.55     31.59      10     24.55   340.1      .34       .02   1481.
  20      8.59     31.61      20     24.56   339.3      .68       .07   1481.
  30      8.48     31.77      30     24.70   326.1     1.02       .15   1481.
  50      8.37     32.12      50     24.99   298.7     1.64       .41   1481.
  75      8.06     32.47      75     25.30   268.9     2.35       .86   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 45
54-34.5 N 132-56.5 W
MO.-5 DAY-8 PST-1.7

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 45         DATE  8/ 5/83
POSITION  54-34.5N, 132-56.5W         1.7       STATION Q37
RESULTS OF STP CAST   250 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0    8.46   31.33       0    24.35   358.2     .00     .00   1480.
   10    8.44   31.34      10    24.36   357.5     .36     .02   1480.
   20    8.42   31.35      20    24.38   356.4     .72     .07   1480.
   30    8.23   31.59      30    24.59   336.0    1.06     .16   1480.
   50    7.67   32.03      50    25.02   295.9    1.70     .42   1479.
   75    7.54   32.31      75    25.25   273.7    2.40     .87   1479.
  100    7.31   32.49      99    25.43   257.5    3.07    1.46   1479.
  125    7.21   32.63     124    25.55   246.4    3.69    2.17   1479.
  150    7.13   32.74     149    25.65   237.1    4.30    3.02   1479.
  175    7.02   33.02     174    25.88   215.2    4.87    3.96   1479.
  200    6.35   33.57     199    26.40   165.9    5.33    4.85   1478.
  225    5.87   33.77     223    26.62   145.4    5.72    5.68   1477.
  250    5.59   33.85     248    26.72   136.7    6.07    6.53   1476.
  300    5.34   33.90     298    26.79   130.2    6.73    8.39   1476.
  400    5.18   33.93     397    26.83   127.0    8.02   12.96   1477.
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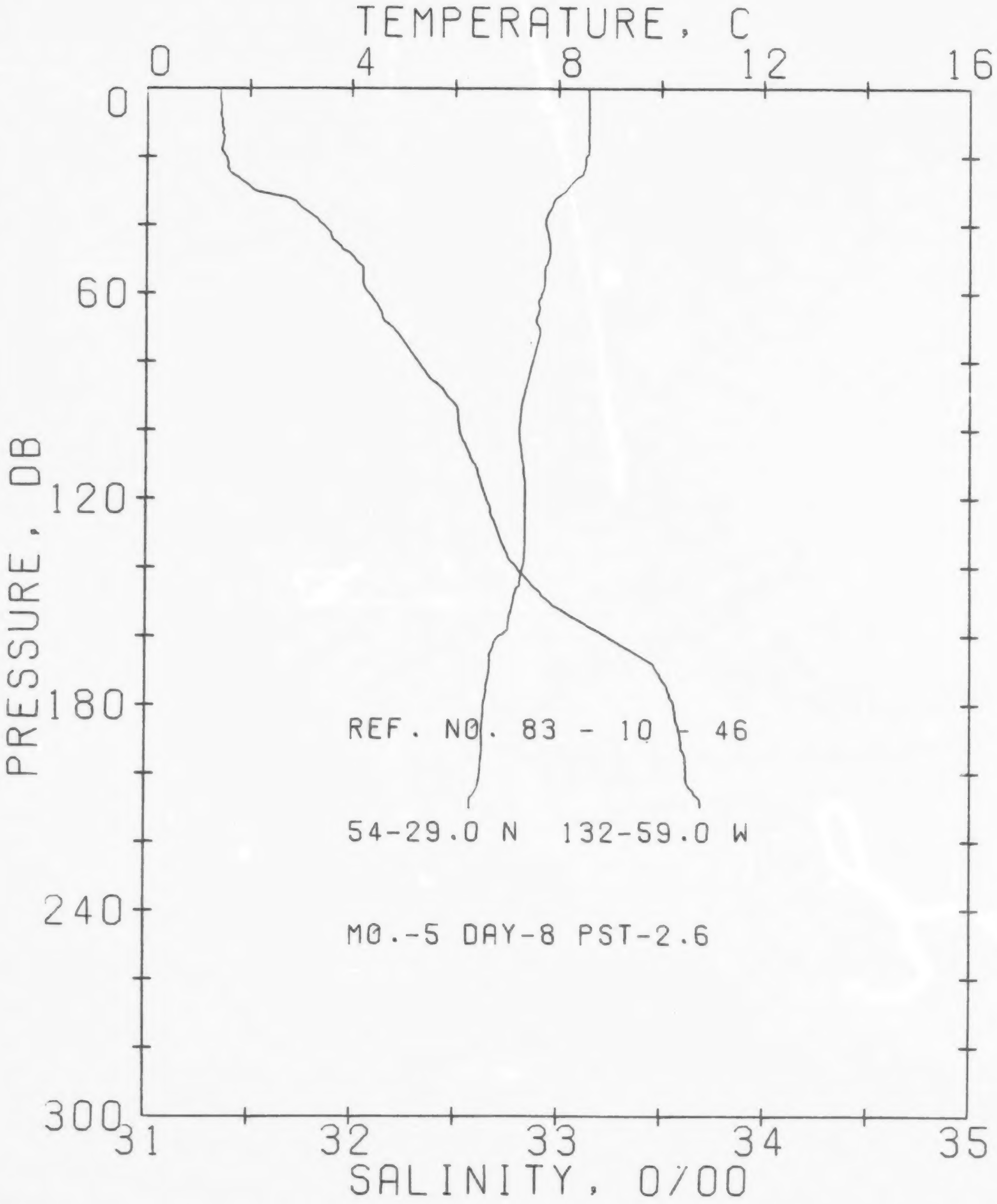
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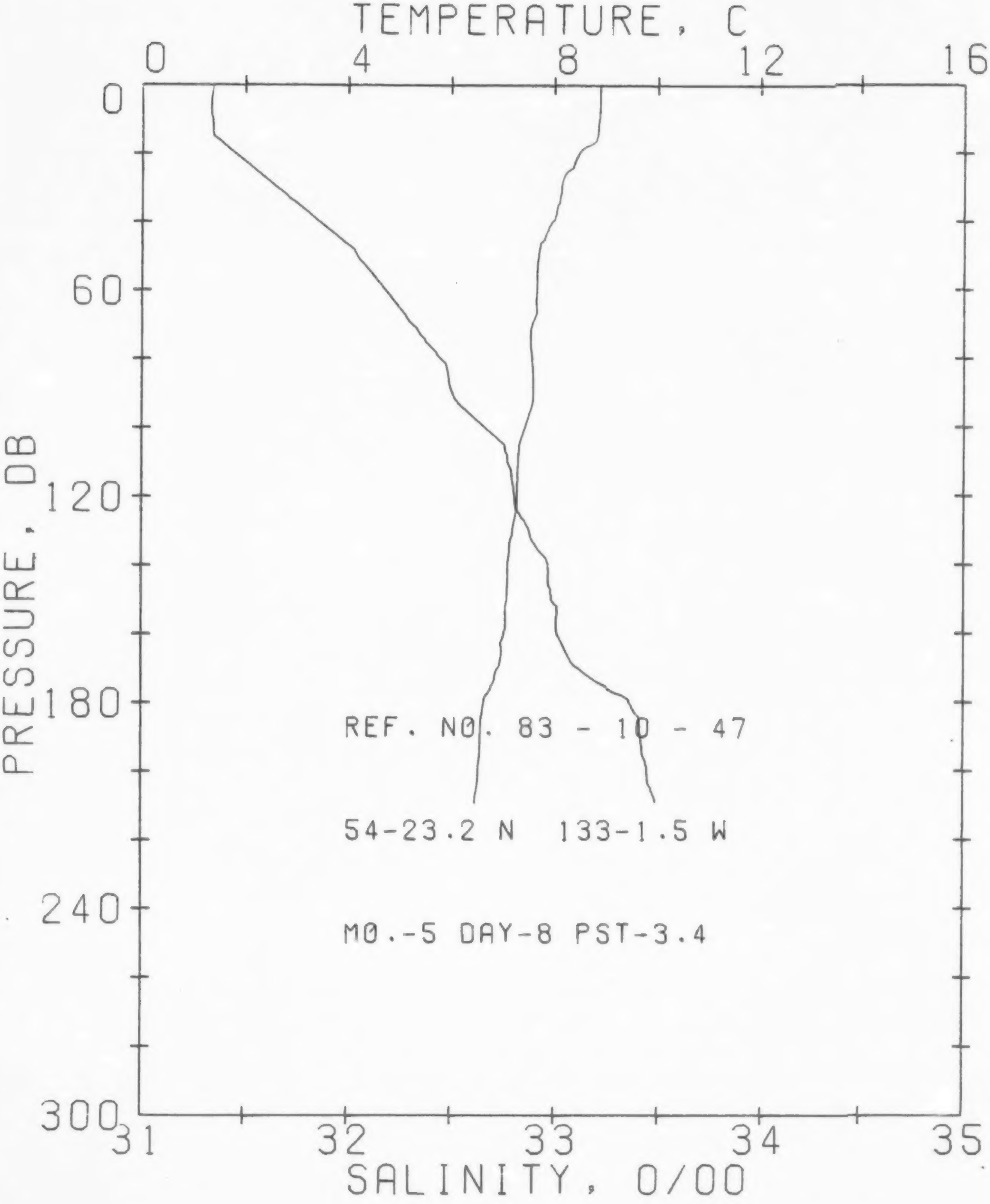
35
SALINITY, 0/00
REF. NO. 83 - 10 - 46
54-29.0 N 132-59.0 W
MO.-5 DAY-8 PST-2.6

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 46 DATE 8/ 5/83
POSITION 54-29.0N, 132-59.0W 2.6 STATION Q38
RESULTS OF STP CAST 200 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	8.58	31.35	0	24.36	358.0	.00	.00	1480.
10	8.59	31.36	10	24.36	357.5	.36	.02	1481.
20	8.52	31.39	20	24.39	354.9	.72	.07	1481.
30	8.15	31.53	30	24.56	339.3	1.06	.16	1479.
50	7.82	32.02	50	24.98	298.8	1.69	.42	1479.
75	7.60	32.26	75	25.21	277.8	2.41	.87	1479.
100	7.24	32.52	99	25.46	254.1	3.07	1.46	1478.
125	7.36	32.68	124	25.57	244.6	3.69	2.17	1479.
150	7.12	32.96	149	25.82	220.6	4.28	3.00	1479.
175	6.60	33.53	174	26.34	171.7	4.76	3.79	1478.
200	6.48	33.63	199	26.43	163.5	5.18	4.59	1478.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PRESSURE, DB
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35
SALINITY, 0/00
REF. NO. 83 - 10 - 47
54-23.2 N 133-1.5 W
MO.-5 DAY-8 PST-3.4

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 47          DATE  8/ 5/83
POSITION  54-23.2N, 133- 1.5W          3.4       STATION Q39
RESULTS OF STP CAST   199 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL     DEPTH     SIGMA      SVA     DELTA      POT.     SOUND
                                        T                  D         EN
   0      8.88     31.34       0     24.30     363.3      .00       .00    1482.
  10      8.86     31.34      10     24.30     363.0      .36       .02    1482.
  20      8.47     31.45      20     24.45     349.3      .72       .07    1480.
  30      8.14     31.66      30     24.66     329.6     1.06       .16    1480.
  50      7.70     32.05      50     25.02     295.0     1.69       .41    1479.
  75      7.54     32.38      75     25.31     268.5     2.39       .86    1479.
 100      7.43     32.67      99     25.55     245.8     3.04      1.44    1479.
 125      7.25     32.84     124     25.70     231.4     3.63      2.11    1479.
 150      7.08     32.98     149     25.84     218.4     4.19      2.89    1479.
 175      6.78     33.25     174     26.09     195.3     4.71      3.77    1479.
 200      6.53     33.45     199     26.28     177.5     5.17      4.64    1478.
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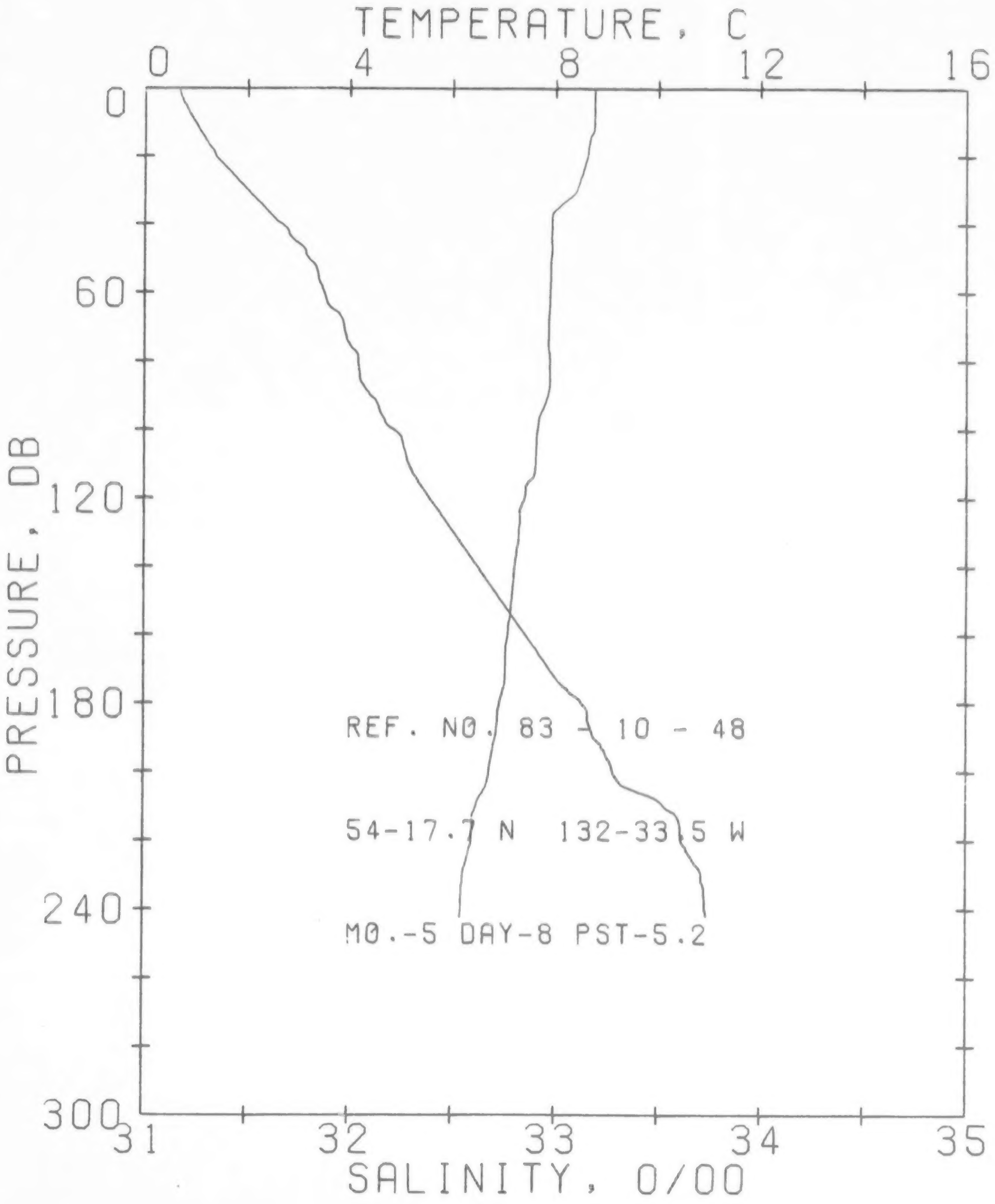
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PRESSURE, DB
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32
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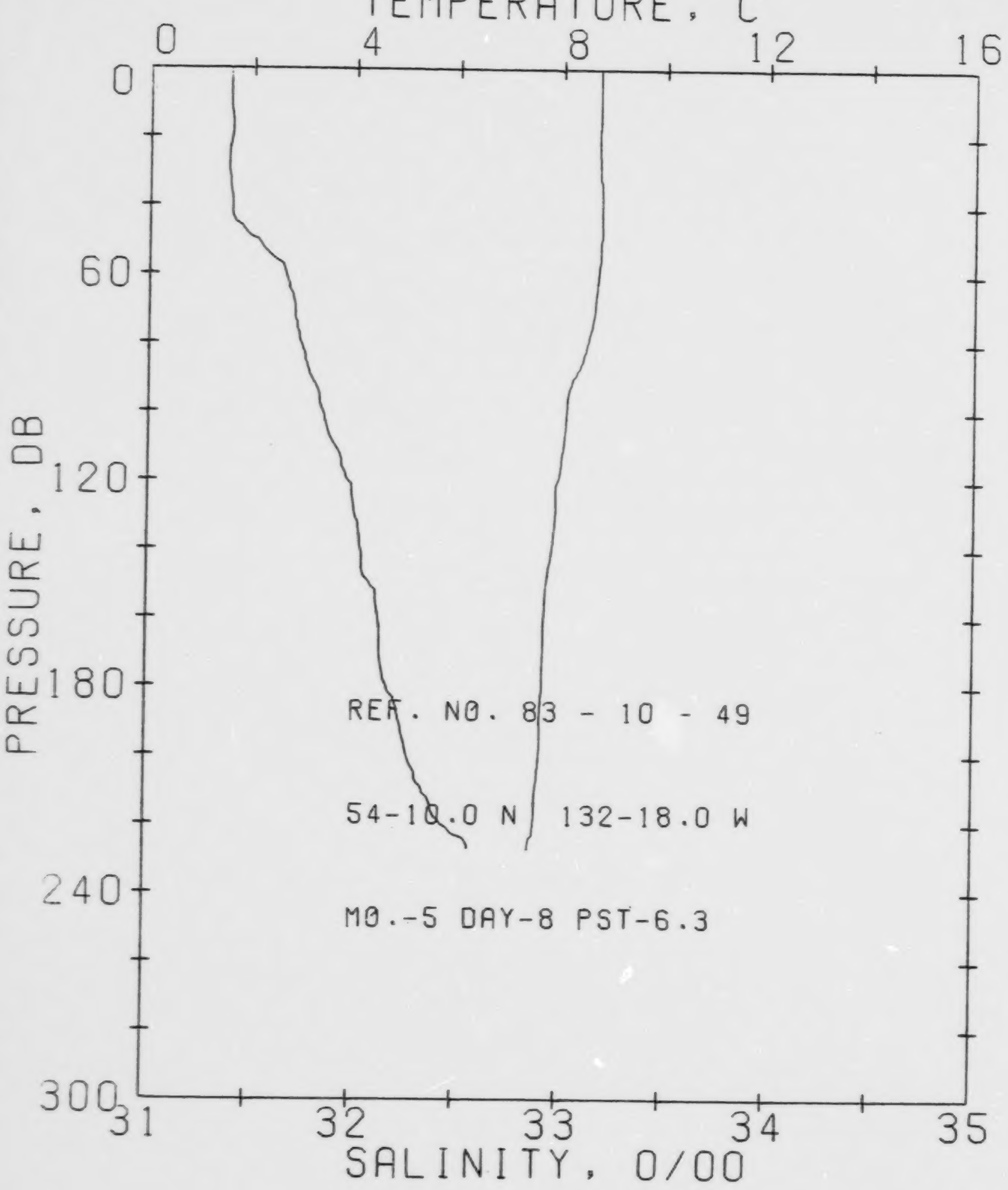
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 48
54-17.7 N 132-33.5 W
MO.-5 DAY-8 PST-5.2

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 48   DATE 8/ 5/83
POSITION 54-17.7N, 132-33.5W   5.2   STATION Q40
RESULTS OF STP CAST   243 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	8.76	31.17	0	24.19	374.3	.00	.00	1481.
10	8.76	31.25	10	24.25	368.7	.37	.02	1481.
20	8.62	31.35	20	24.35	359.3	.74	.07	1481.
30	8.42	31.51	30	24.50	344.9	1.09	.16	1480.
50	7.92	31.80	50	24.80	316.2	1.74	.43	1479.
75	7.85	32.00	75	24.97	301.0	2.51	.92	1480.
100	7.65	32.22	99	25.17	282.2	3.25	1.57	1480.
125	7.31	32.45	124	25.40	260.7	3.93	2.35	1479.
150	7.16	32.74	149	25.64	237.4	4.55	3.23	1479.
175	7.02	33.04	174	25.90	213.4	5.12	4.16	1479.
200	6.73	33.28	199	26.13	192.2	5.62	5.12	1479.
225	6.31	33.67	223	26.48	158.5	6.05	6.04	1478.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240
300
REF. NO. 83 - 10 - 49
54-10.0 N 132-18.0 W
MO.-5 DAY-8 PST-6.3
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 49          DATE  8/ 5/83
POSITION  54-10.0N, 132-18.0W          6.3       STATION Q41
RESULTS OF STP CAST   145 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP     SAL    DEPTH    SIGMA     SVA     DELTA     POT.    SOUND
                                     T                 D        EN
   0      8.72    31.39       0    24.36    357.4      .00      .00    1481.
  10      8.72    31.39      10    24.36    357.5      .36      .02    1481.
  20      8.70    31.39      20    24.37    357.1      .71      .07    1481.
  30      8.72    31.38      30    24.35    358.6     1.07      .16    1481.
  50      8.75    31.53      50    24.47    348.2     1.79      .45    1482.
  75      8.59    31.72      75    24.64    332.1     2.63      .99    1482.
 100      8.10    31.85      99    24.81    315.9     3.44     1.71    1481.
 125      7.90    31.99     124    24.95    302.9     4.21     2.60    1481.
 150      7.74    32.08     149    25.04    294.5     4.96     3.65    1481.
 175      7.68    32.14     174    25.10    289.2     5.69     4.85    1481.
 200      7.63    32.27     199    25.21    279.6     6.40     6.21    1481.
 225      7.45    32.56     224    25.46    255.9     7.08     7.67    1481.
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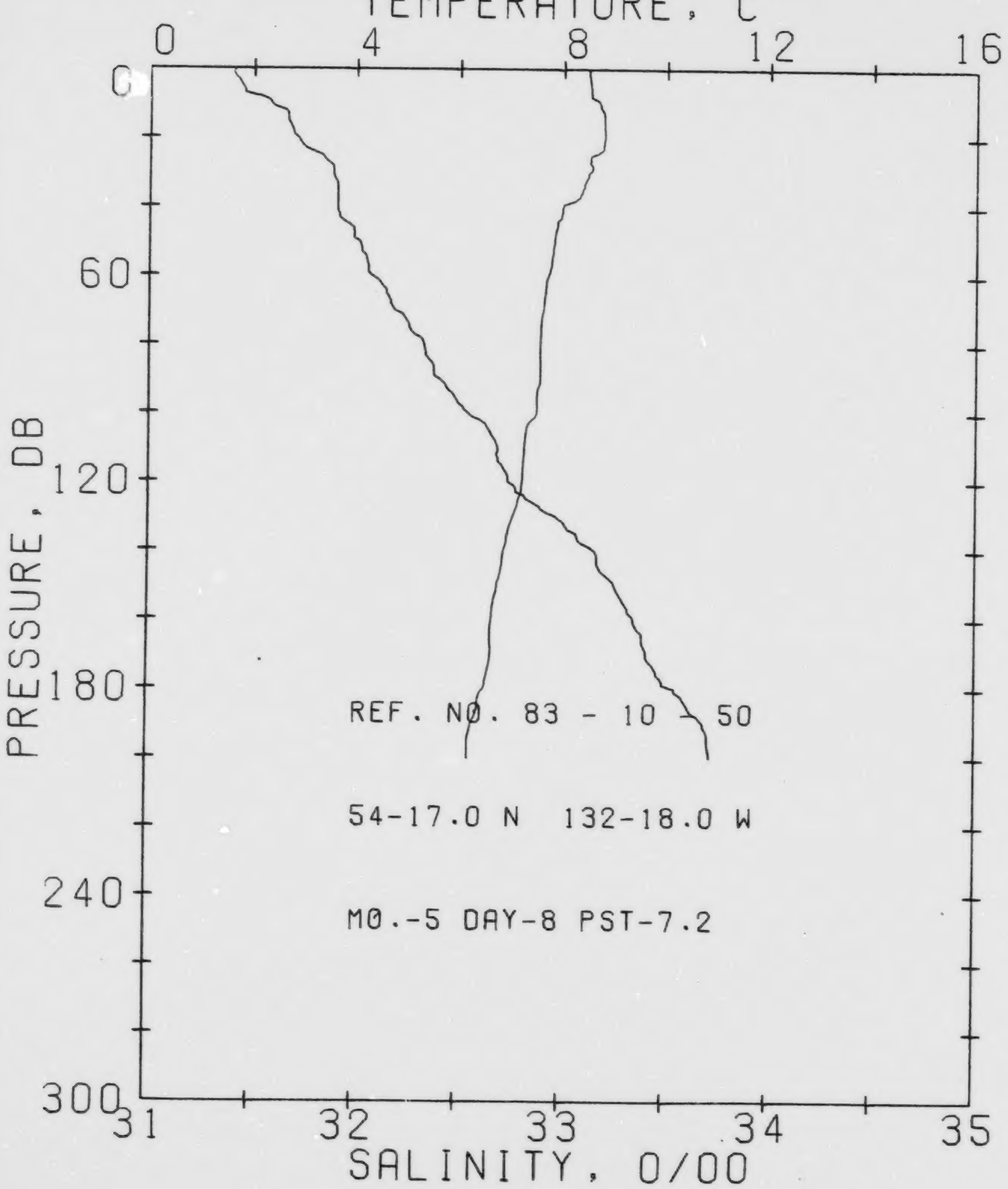
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PRESSURE, DB
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60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 50
54-17.0 N 132-18.0 W
MO.-5 DAY-8 PST-7.2

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 50         DATE  8/ 5/83
POSITION  54-17.0N, 132-18.0W          7.2       STATION Q42
RESULTS OF STP CAST   166 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH     SIGMA     SVA     DELTA     POT.     SOUND
                                       T                 D        EN
   0      8.50    31.41        0     24.41    352.8      .00       .00    1480.
  10      8.70    31.59       10     24.52    342.4      .35       .02    1481.
  20      8.80    31.72       20     24.61    334.3      .69       .07    1482.
  30      8.50    31.[illegible]9       30     24.79    317.5     1.01       .15    1481.
  50      7.84    32.[illegible]2       50     24.98    299.0     1.63       .40    1479.
  75      7.58    32.26       75     25.21    277.9     2.35       .86    1479.
 100      7.51    32.55       99     25.44    255.8     3.02      1.46    1479.
 125      7.17    32.83      124     25.71    230.6     3.63      2.15    1479.
 150      6.76    33.26      149     26.10    194.0     4.15      2.88    1478.
 175      6.59    33.46      174     26.29    176.8     4.61      3.65    1478.
 200      6.20    33.72      199     26.54    152.9     5.02      4.42    1477.
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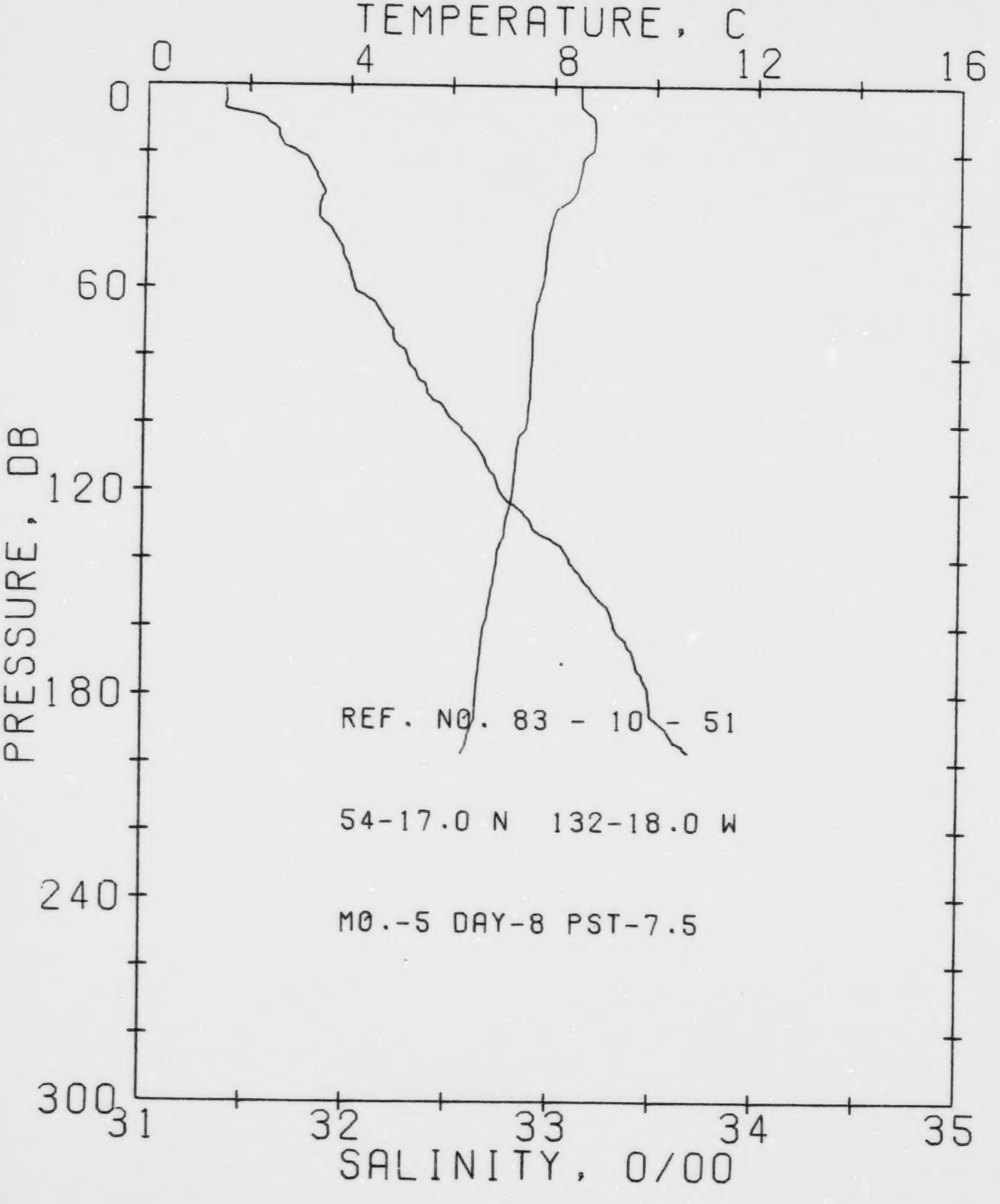
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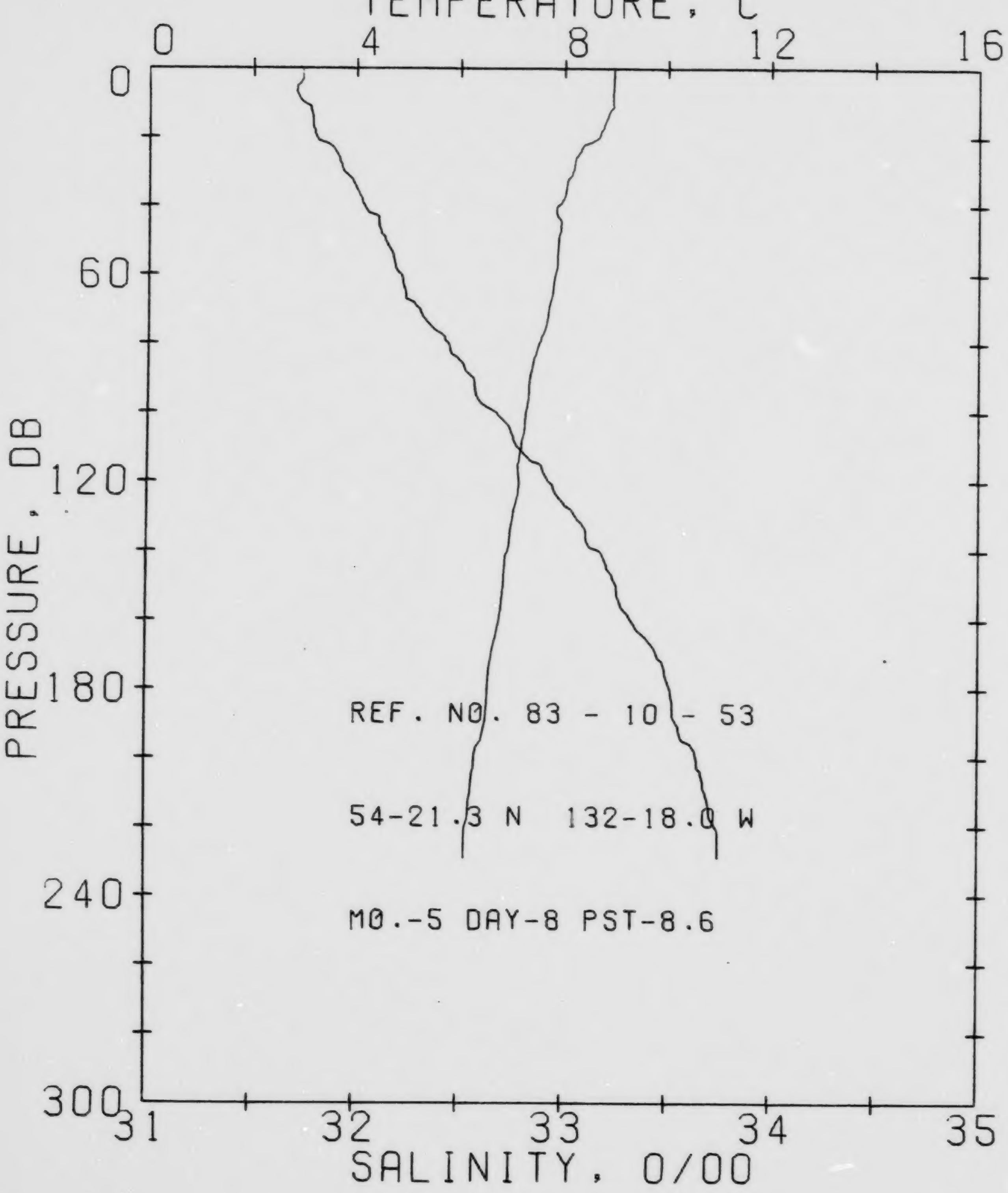
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 51
54-17.0 N 132-18.0 W
MO.-5 DAY-8 PST-7.5

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 51          DATE  8/ 5/83
POSITION  54-17.0N, 132-18.0W          7.5       STATION Q42
RESULTS OF STP CAST   154 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T              D        EN
    0    8.52   31.38        0    24.38   355.3     .00     .00    1480.
   10    8.79   31.59       10    24.51   343.7     .35     .02    1482.
   20    8.68   31.75       20    24.65   330.4     .69     .07    1482.
   30    8.47   31.87       30    24.77   318.6    1.01     .15    1481.
   50    7.87   31.97       50    24.94   303.1    1.64     .40    1479.
   75    7.60   32.22       75    25.17   281.2    2.37     .87    1479.
  100    7.50   32.54       99    25.44   256.4    3.04    1.47    1479.
  125    7.17   32.84      124    25.72   229.9    3.65    2.16    1479.
  150    6.83   33.21      149    26.06   198.2    4.18    2.91    1478.
  175    6.58   33.45      174    26.28   177.5    4.65    3.68    1478.
  200    6.16   33.74      199    26.56   150.9    5.06    4.46    1477.
```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300
PRESSURE, DB
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32
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34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 53
54-21.3 N 132-18.0 W
MO.-5 DAY-8 PST-8.6

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 53          DATE  8/ 5/83
POSITION   54-21.3N, 132-18.0W          8.6       STATION Q43
RESULTS OF STP CAST   161 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP     SAL     DEPTH     SIGMA     SVA     DELTA     POT.     SOUND
                                       T                 D        EN
    0     8.96    31.74        0     24.60    334.8      .00       .00    1482.
   10     8.94    31.75       10     24.61    334.0      .34       .02    1482.
   20     8.68    31.81       20     24.70    325.9      .67       .07    1482.
   30     8.17    31.94       30     24.87    309.2      .98       .15    1480.
   50     7.90    32.14       50     25.07    290.9     1.58       .39    1480.
   75     7.66    32.36       75     25.28    271.1     2.28       .84    1479.
  100     7.27    32.68       99     25.58    242.9     2.92      1.41    1479.
  125     7.11    32.99      124     25.84    218.3     3.50      2.07    1479.
  150     6.86    33.26      149     26.09    194.9     4.01      2.79    1479.
  175     6.58    33.49      174     26.31    174.3     4.48      3.55    1478.
  200     6.32    33.65      199     26.47    159.8     4.90      4.36    1478.
  225     6.12    33.75      223     26.57    149.9     5.29      5.20    1478.
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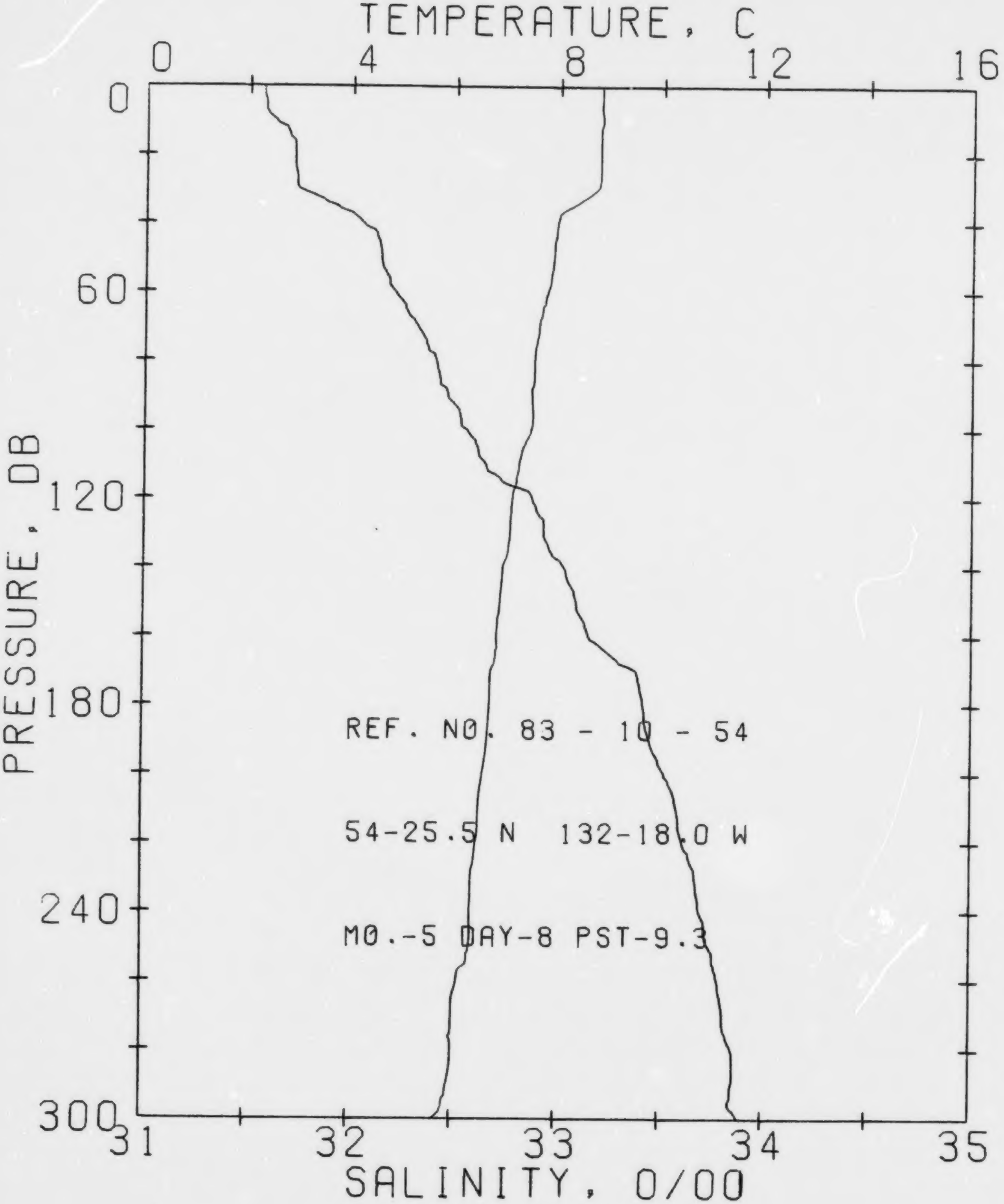
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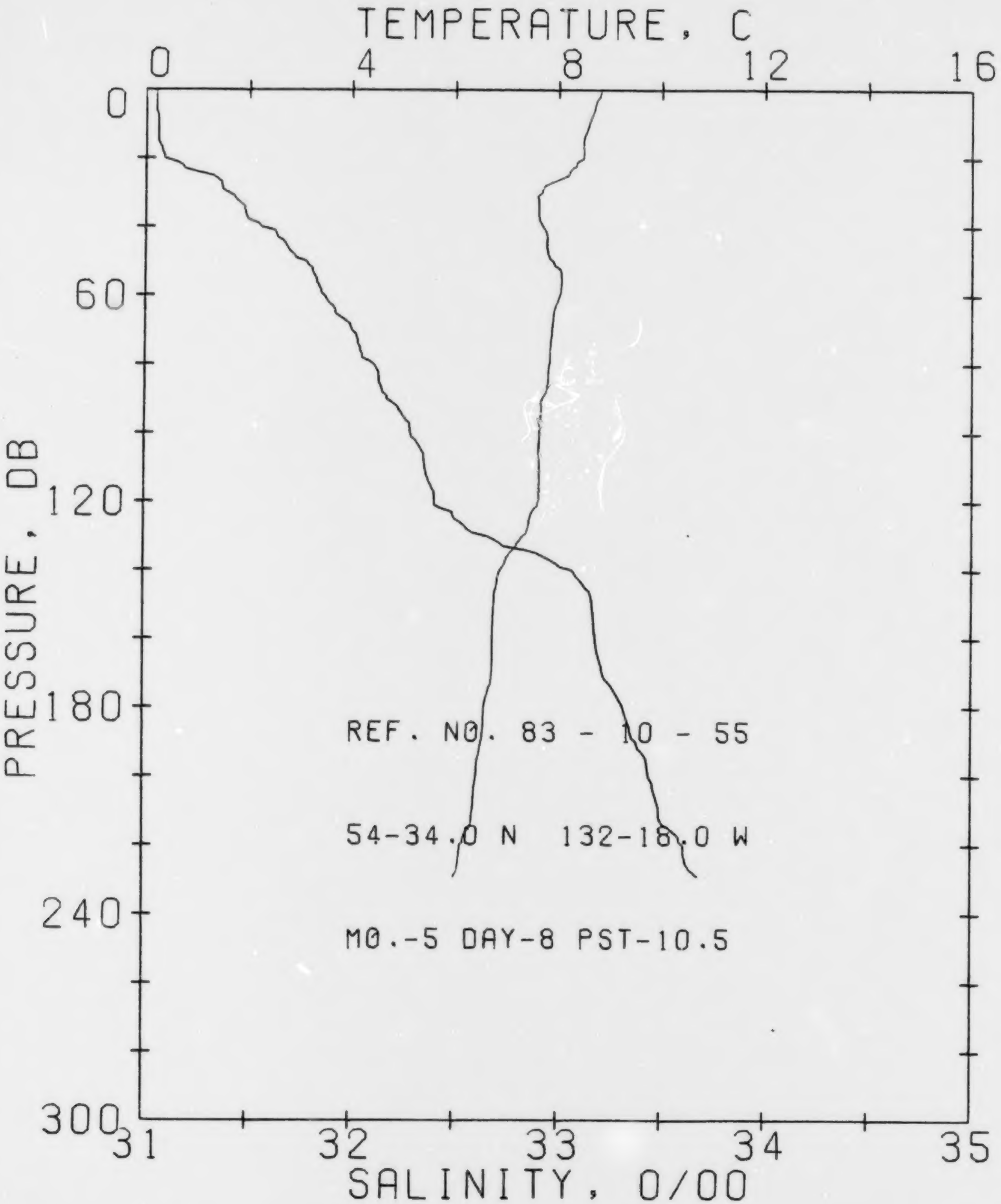
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 54
54-25.5 N 132-18.0 W
MO.-5 DAY-8 PST-9.3

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 54 DATE 8/ 5/83
POSITION 54-25.5N, 132-18.0W 9.3 STATION Q44
RESULTS OF STP CAST 215 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	8.81	31.57	0	24.49	345.3	.00	.00	1482.
10	8.83	31.63	10	24.53	341.3	.34	.02	1482.
20	8.78	31.72	20	24.61	334.0	.68	.07	1482.
30	8.72	31.74	30	24.64	331.8	1.01	.15	1482.
50	7.89	32.14	50	25.07	290.7	1.62	.40	1480.
75	7.57	32.36	75	25.29	270.4	2.32	.85	1479.
100	7.47	32.56	99	25.46	254.5	2.98	1.43	1479.
125	7.10	32.91	124	25.78	223.7	3.58	2.11	1479.
150	6.90	33.09	149	25.95	208.1	4.12	2.87	1479.
175	6.71	33.40	174	26.22	182.9	4.61	3.68	1479.
200	6.58	33.52	199	26.33	172.6	5.06	4.54	1479.
225	6.43	33.65	223	26.45	161.7	5.47	5.44	1479.
250	6.35	33.74	248	26.54	153.9	5.87	6.40	1479.
300	5.65	33.89	298	26.74	134.6	6.59	8.41	1477.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35
SALINITY, 0/00
REF. NO. 83 - 10 - 55
54-34.0 N 132-18.0 W
MO.-5 DAY-8 PST-10.5

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 55        DATE  8/ 5/83
POSITION  54-34.0N, 132-18.0W        10.5       STATION Q45
RESULTS OF STP CAST   163 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH     SIGMA     SVA     DELTA     POT.    SOUND
                                       T                 D       EN
    0     8.82    31.05       0     24.08    384.1      .00       .00   1481.
   10     8.59    31.06      10     24.12    380.2      .38       .02   1480.
   20     8.48    31.09      20     24.16    376.6      .76       .08   1480.
   30     7.68    31.40      30     24.52    342.7     1.12       .17   1477.
   50     7.89    31.78      50     24.79    317.5     1.78       .44   1479.
   75     7.84    32.04      75     25.00    297.8     2.55       .93   1480.
  100     7.63    32.28      99     25.22    277.1     3.27      1.57   1480.
  125     7.43    32.50     124     25.42    258.8     3.94      2.34   1480.
  150     6.76    33.16     149     26.03    200.8     4.50      3.12   1478.
  175     6.66    33.27     174     26.13    191.9     5.00      3.94   1478.
  200     6.44    33.44     199     26.29    176.7     5.46      4.81   1478.
  225     6.10    33.62     223     26.47    159.4     5.88      5.72   1477.
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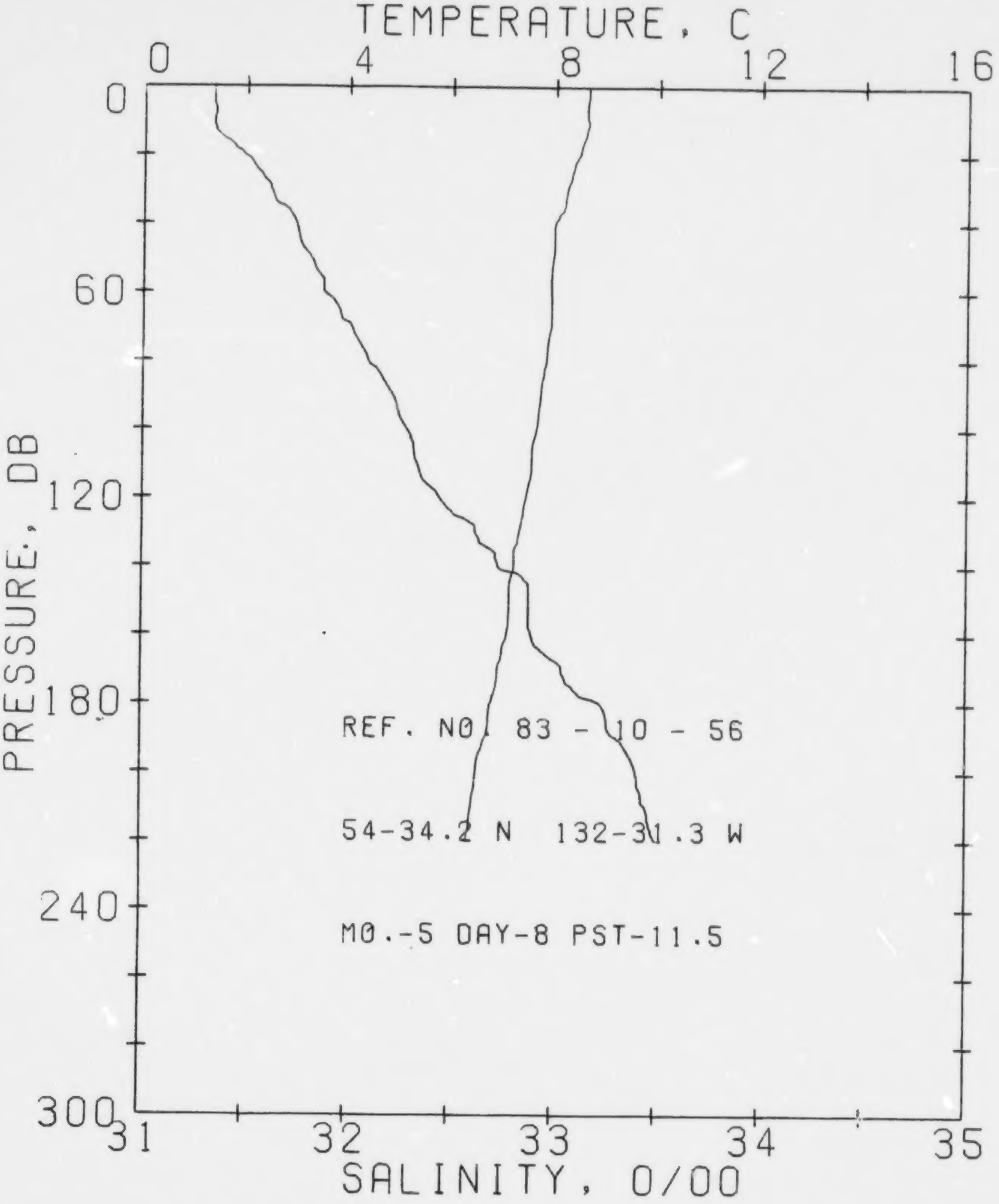
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300
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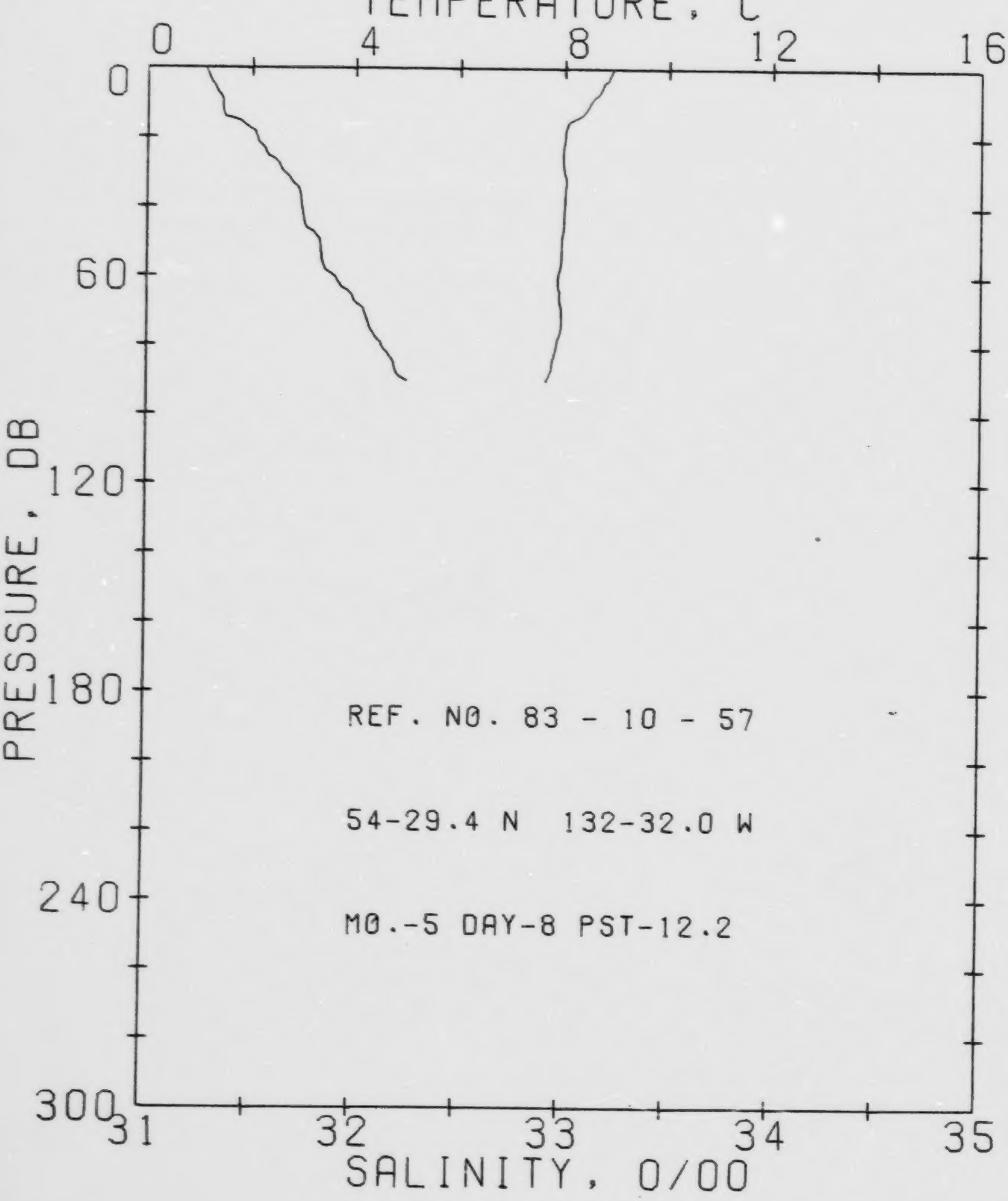
35
SALINITY, 0/00
REF. NO. 83 - 10 - 56
54-34.2 N 132-31.3 W
MO.-5 DAY-8 PST-11.5

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 56         DATE  8/ 5/83
POSITION  54-34.2N, 132-31.3W        11.5       STATION Q46
RESULTS OF STP CAST   163 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH     SIGMA     SVA    DELTA      POT.    SOUND
                                       T                D         EN
    0     8.64    31.34        0     24.34   360.0      .00       .00    1481.
   10     8.64    31.34       10     24.34   360.1      .36       .02    1481.
   20     8.46    31.49       20     24.48   346.5      .71       .07    1480.
   30     8.23    31.62       30     24.61   333.8     1.05       .16    1480.
   50     7.96    31.82       50     24.81   315.5     1.70       .42    1479.
   75     7.86    32.06       75     25.01   296.6     2.47       .91    1480.
  100     7.65    32.29       99     25.22   277.0     3.18      1.55    1480.
  125     7.40    32.52      124     25.44   256.9     3.85      2.32    1479.
  150     7.15    32.88      149     25.75   227.0     4.45      3.15    1479.
  175     6.91    33.09      174     25.95   208.5     5.00      4.06    1479.
  200     6.52    33.40      199     26.25   180.5     5.48      4.98    1478.
```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120
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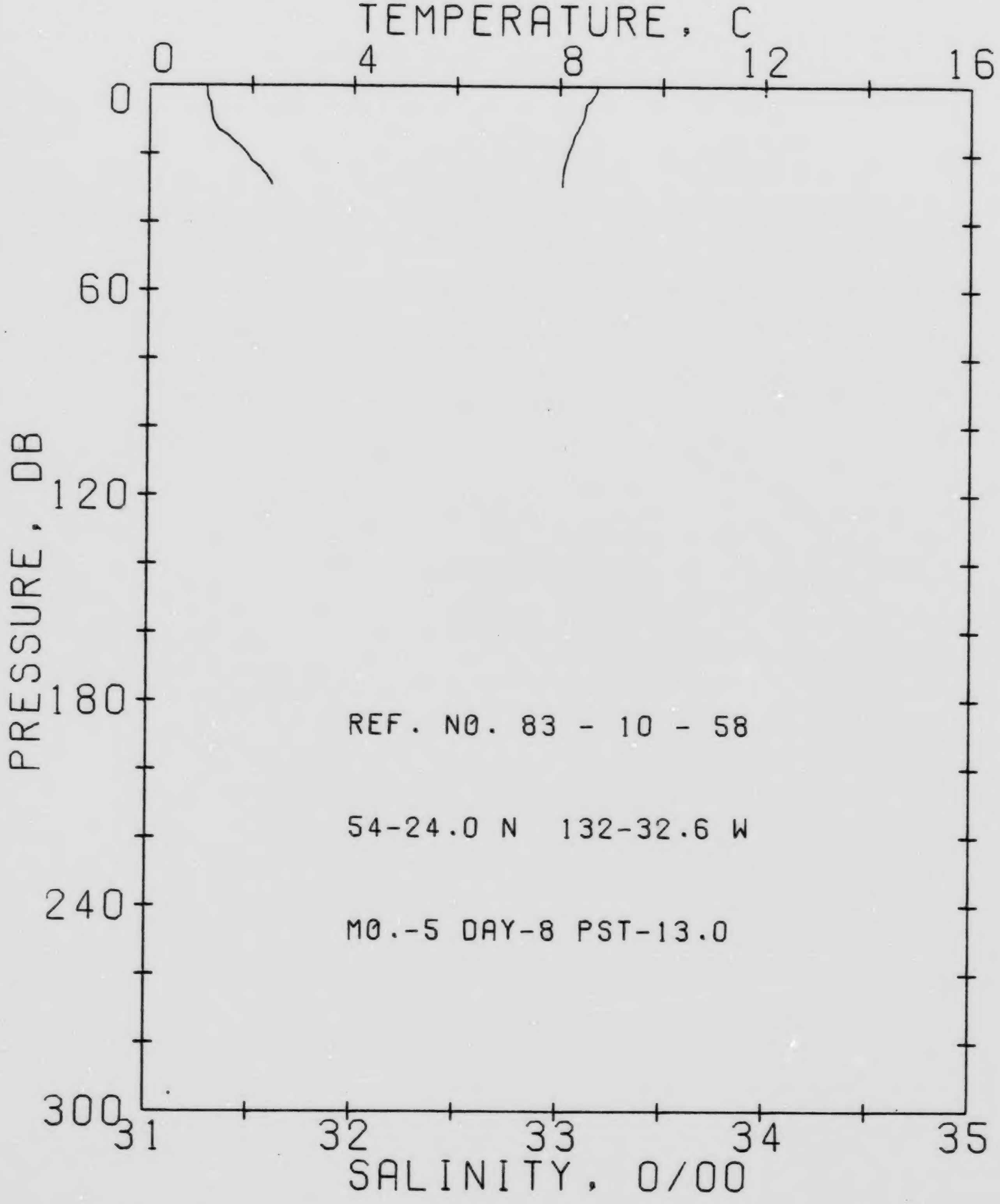
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 57
54-29.4 N 132-32.0 W
MO.-5 DAY-8 PST-12.2

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 57          DATE  8/ 5/83
POSITION  54-29.4N, 132-32.0W          12.2       STATION Q47
RESULTS OF STP CAST    91 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP     SAL    DEPTH     SIGMA    SVA     DELTA     POT.    SOUND
                                      T               D        EN
   0      8.93    31.28       0     24.25   368.3      .00      .00   1482.
  10      8.49    31.36      10     24.37   356.4      .36      .02   1480.
  20      8.01    31.53      20     24.57   337.5      .71      .07   1479.
  30      7.99    31.66      30     24.68   327.8     1.04      .16   1479.
  50      7.95    31.83      50     24.82   314.7     1.68      .42   1479.
  75      7.94    32.07      75     25.01   296.7     2.45      .90   1480.
```

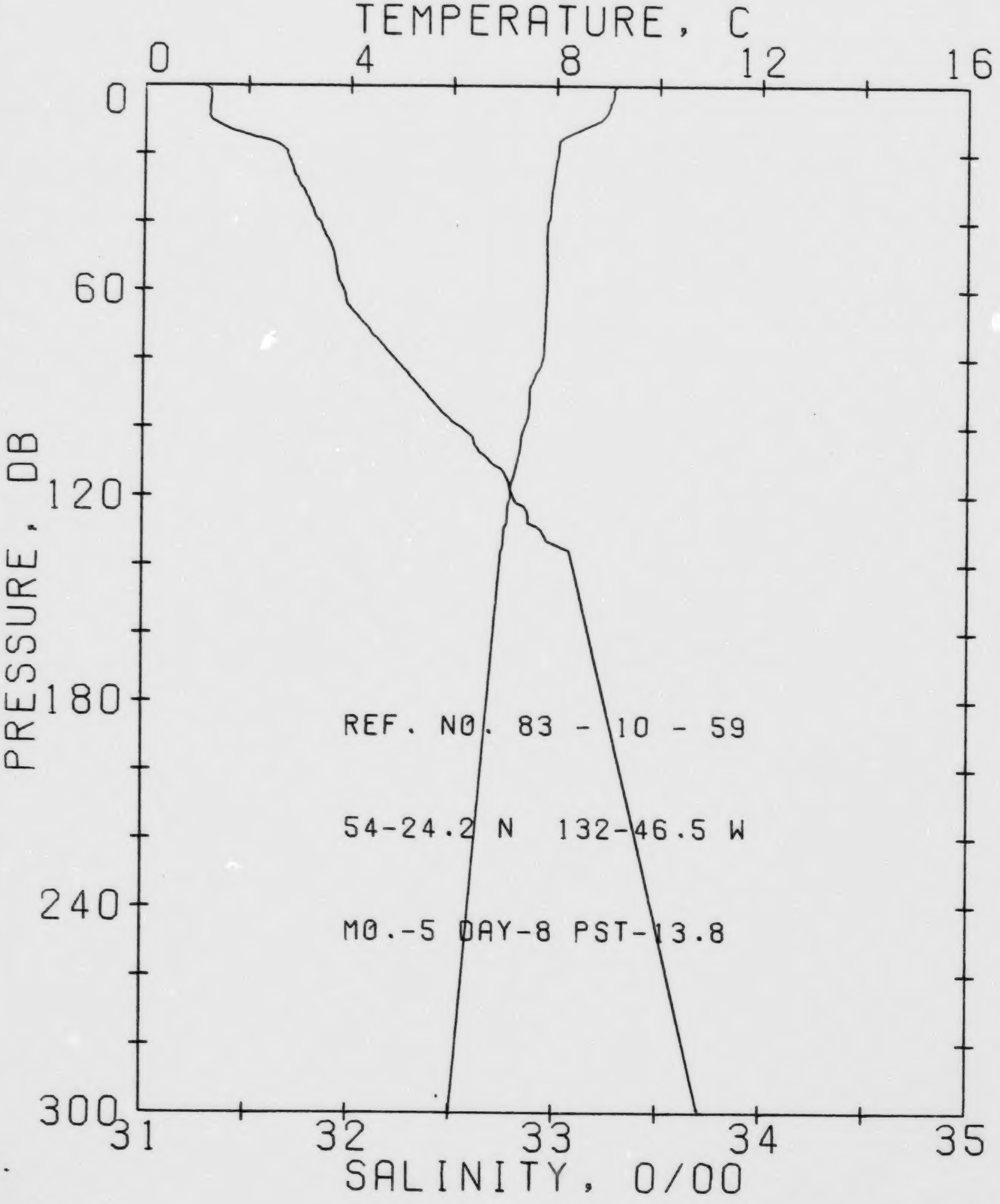

TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 83 - 10 - 58
54-24.0 N 132-32.6 W
MO.-5 DAY-8 PST-13.0
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 58          DATE  8/ 5/83
POSITION  54-24.0N, 132-32.6W         13.0       STATION Q48
RESULTS OF STP CAST    30 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T                D      EN
   0     8.73    31.28       0    24.28   365.6     .00      .00   1481.
  10     8.45    31.31      10    24.34   359.5     .36      .02   1480.
  20     8.15    31.48      20    24.52   343.0     .71      .07   1479.
  30     8.05    31.61      30    24.63   332.3    1.05      .16   1479.

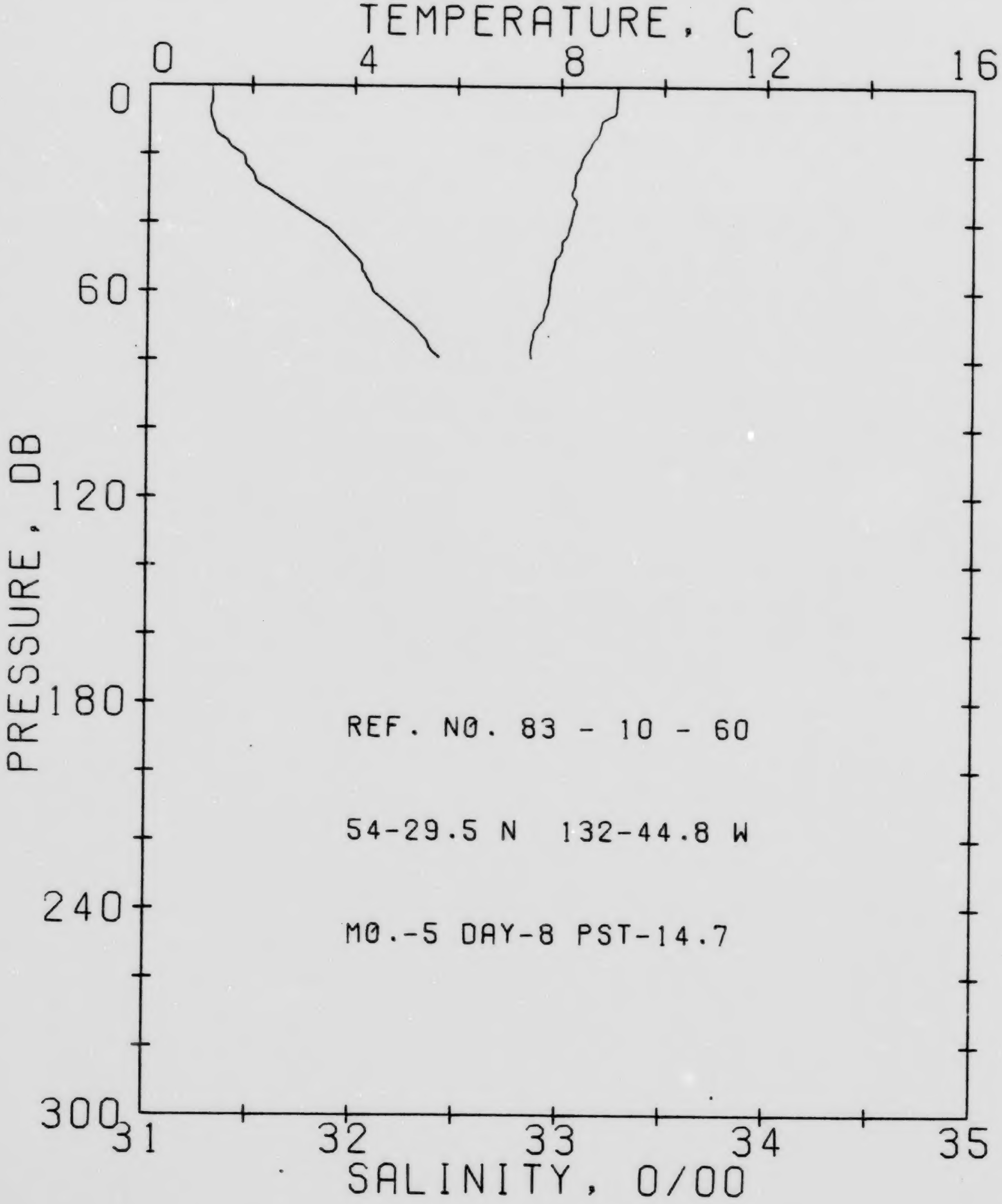
PRES  DEPTH       TEMP    SAL        PRES  DEPTH       TEMP    SAL

  0.              8.73   31.28        15.              8.27   31.39
  1.              8.73   31.28        16.              8.25   31.41
  2.              8.69   31.28        17.              8.23   31.43
  3.              8.65   31.28        18.              8.21   31.45
  4.              8.61   31.29        19.              8.18   31.47
  5.              8.52   31.30        20.              8.15   31.48
  6.              8.50   31.30        21.              8.14   31.49
  7.              8.49   31.30        22.              8.12   31.50
  8.              8.48   31.30        23.              8.09   31.52
  9.              8.47   31.31        24.              8.08   31.55
 10.              8.45   31.31        25.              8.07   31.56
 11.              8.40   31.32        26.              8.06   31.57
 12.              8.37   31.33        27.              8.06   31.58
 13.              8.34   31.34        28.              8.05   31.59
 14.              8.30   31.37        29.              8.05   31.60
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 59
54-24.2 N 132-46.5 W
MO.-5 DAY-8 PST-13.8

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 59          DATE  8/ 5/83
POSITION   54-24.2N, 132-46.5W          13.8        STATION Q49
RESULTS OF STP CAST   150 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0    9.17   31.29       0    24.22   371.3     .00      .00   1483.
   10    8.88   31.33      10    24.29   364.5     .37      .02   1482.
   20    8.04   31.69      20    24.70   325.6     .71      .07   1479.
   30    7.93   31.77      30    24.77   318.5    1.03      .15   1479.
   50    7.83   31.93      50    24.91   305.8    1.65      .41   1479.
   75    7.79   32.15      75    25.10   288.7    2.40      .88   1480.
  100    7.41   32.55      99    25.46   254.3    3.09     1.49   1479.
  125    7.08   32.87     124    25.76   226.6    3.68     2.17   1479.
  150    6.87   33.13     149    25.98   205.2    4.22     2.92   1479.
  175    6.73   33.22     174    26.08   196.4    4.72     3.75   1478.
  200    6.59   33.32     199    26.17   187.6    5.20     4.67   1478.
  225    6.44   33.42     223    26.27   178.9    5.66     5.66   1478.
  250    6.30   33.51     248    26.36   170.2    6.09     6.71   1478.
  300    6.01   33.71     298    26.55   152.7    6.90     8.96   1478.
```


TEMPERATURE, C
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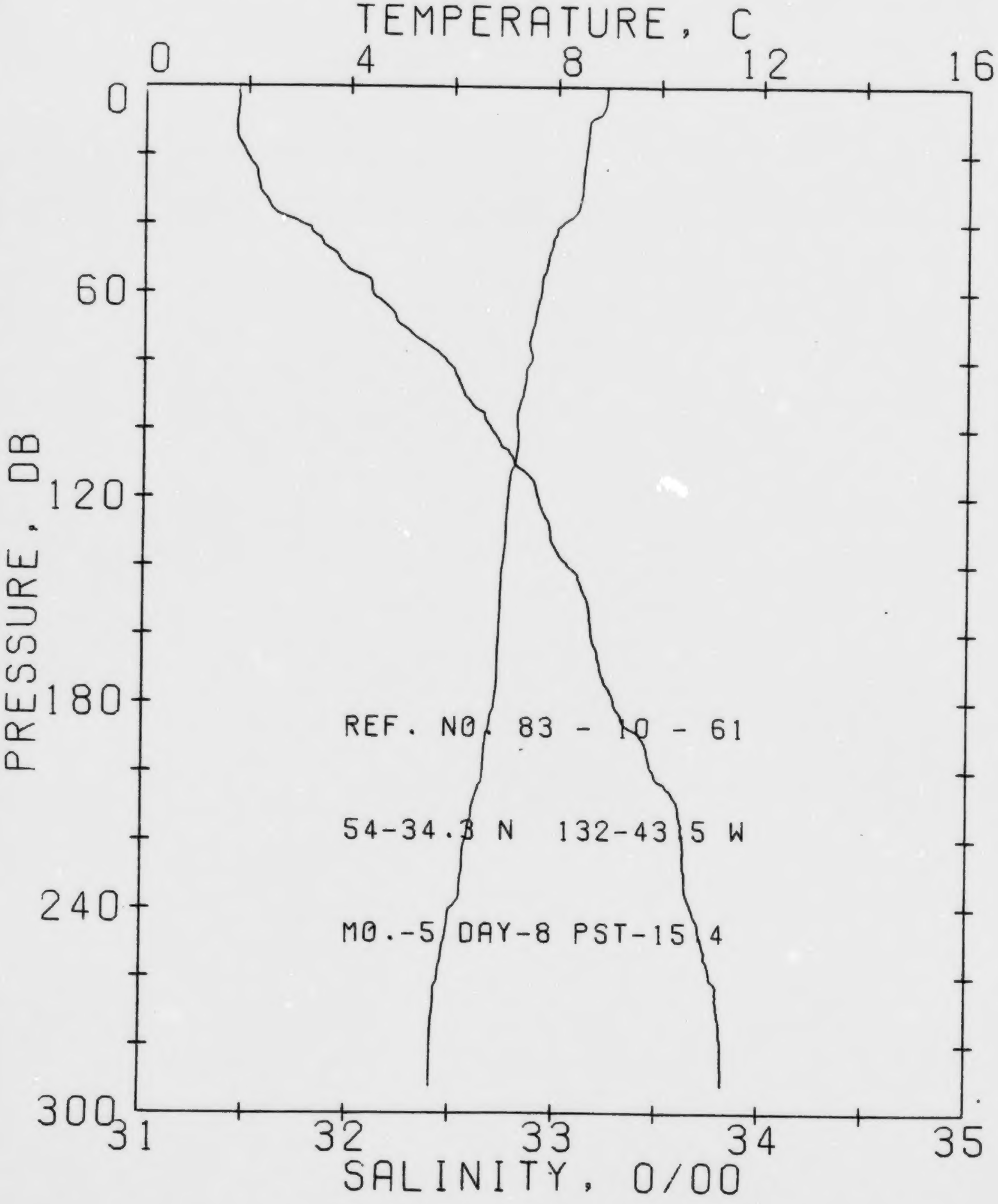
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 60
54-29.5 N 132-44.8 W
MO.-5 DAY-8 PST-14.7

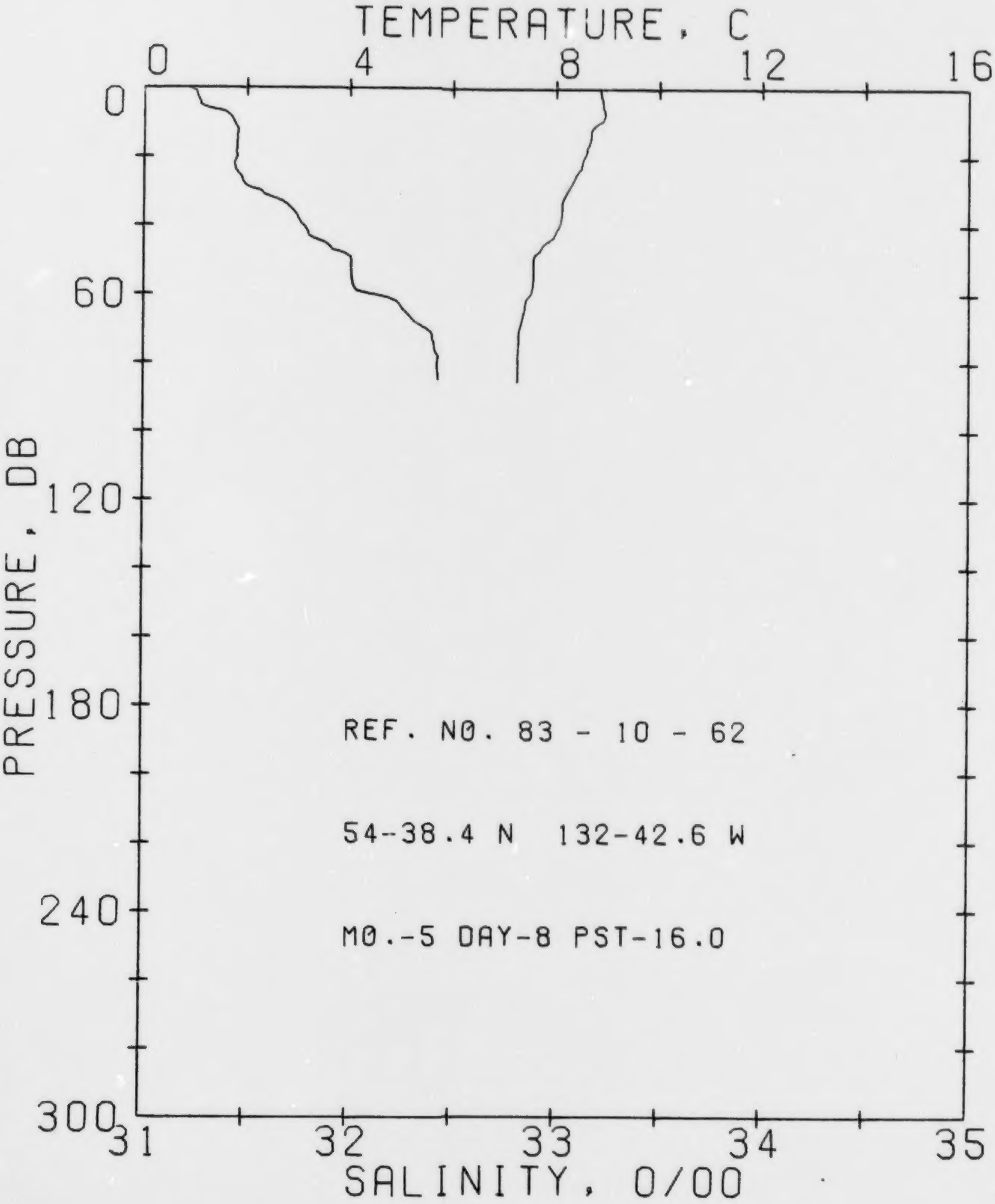
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 60        DATE  8/ 5/83
POSITION  54-29.5N, 132-44.8W        14.7      STATION Q50
RESULTS OF STP CAST    80 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0     9.09    31.31       0    24.24   369.0     .00     .00   1482.
  10     8.80    31.31      10    24.29   364.7     .37     .02   1481.
  20     8.45    31.46      20    24.45   348.9     .73     .07   1480.
  30     8.24    31.57      30    24.58   337.4    1.07     .16   1480.
  50     7.92    32.01      50    24.97   300.7    1.71     .42   1480.
  75     7.44    32.36      75    25.31   268.6    2.42     .87   1479.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 83 - 10 - 61
54-34.3 N 132-43.5 W
MO.-5 DAY-8 PST-15.4
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 61          DATE  8/ 5/83
POSITION  54-34.3N, 132-43.5W        15.4      STATION Q51
RESULTS OF STP CAST   293 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0     8.94    31.45      0     24.38   355.6     .00     .00   1482.
  10     8.61    31.44     10     24.42   352.2     .36     .02   1481.
  20     8.55    31.50     20     24.47   347.3     .71     .07   1481.
  30     8.49    31.56     30     24.53   342.0    1.05     .16   1481.
  50     7.83    31.95     50     24.93   304.3    1.70     .42   1479.
  75     7.47    32.38     75     25.32   267.6    2.41     .88   1479.
 100     7.25    32.69     99     25.59   241.9    3.05    1.44   1479.
 125     7.05    32.94    124     25.82   220.6    3.62    2.10   1479.
 150     6.93    33.15    149     26.00   203.9    4.15    2.84   1479.
 175     6.87    33.25    174     26.08   196.3    4.66    3.67   1479.
 200     6.61    33.48    199     26.29   176.3    5.12    4.56   1479.
 225     6.24    33.63    223     26.46   160.7    5.53    5.45   1478.
 250     5.89    33.73    248     26.58   149.3    5.92    6.40   1477.
```



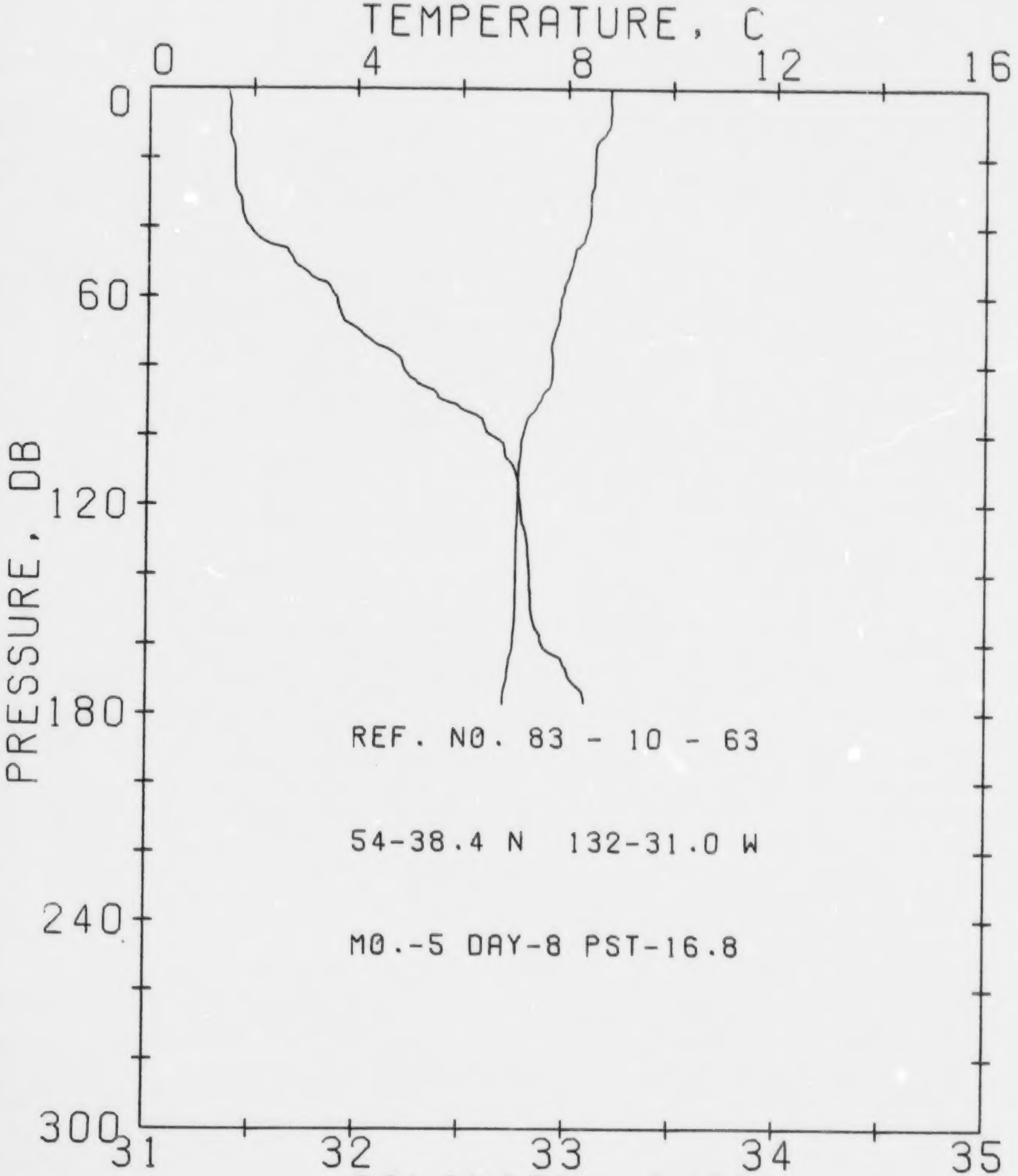
REF. NO. 83 - 10 - 62

54-38.4 N 132-42.6 W

MO.-5 DAY-8 PST-16.0

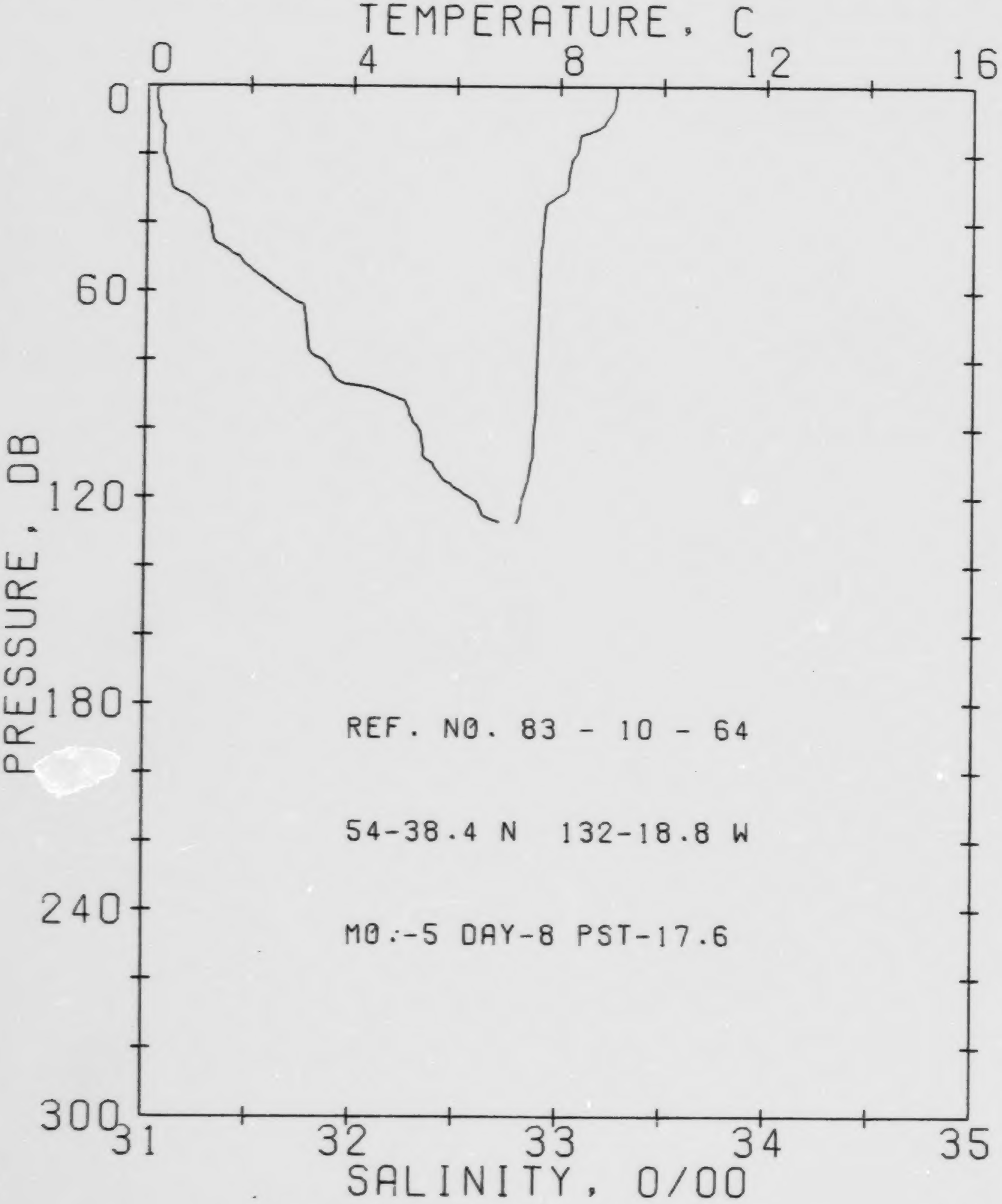
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 62          DATE  8/ 5/83
POSITION  54-38.4N, 132-42.6W         16.0       STATION Q52
RESULTS OF STP CAST    86 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0    8.84   31.22        0    24.21  371.8      .00      .00   1481.
   10    8.80   31.44       10    24.39  354.9      .36      .02   1482.
   20    8.53   31.46       20    24.44  350.1      .72      .07   1481.
   30    8.21   31.57       30    24.58  336.8     1.06      .16   1480.
   50    7.56   32.01       50    25.01  296.0     1.70      .42   1478.
   75    7.27   32.41       75    25.37  262.6     2.40      .86   1478.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. N0. 83 - 10 - 63
54-38.4 N 132-31.0 W
M0.-5 DAY-8 PST-16.8

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 63           DATE  8/ 5/83
POSITION   54-38.4N, 132-31.0W          16.8       STATION Q53
RESULTS OF STP CAST   178 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T                D      EN
    0    8.81   31.37       0    24.34  359.8      .00      .00  1481.
   10    8.81   31.39      10    24.35  358.8      .36      .02  1481.
   20    8.52   31.41      20    24.41  353.4      .71      .07  1481.
   30    8.45   31.42      30    24.43  351.4     1.07      .16  1480.
   50    8.12   31.70      50    24.69  326.8     1.75      .44  1480.
   75    7.70   32.15      75    25.11  287.6     2.52      .93  1479.
  100    7.17   32.65      99    25.57  243.8     3.19     1.52  1478.
  125    7.06   32.79     124    25.69  232.4     3.78     2.20  1478.
  150    7.03   32.83     149    25.73  229.1     4.36     3.00  1479.
  175    6.80   33.09     174    25.96  207.5     4.91     3.91  1479.
```


TEMPERATURE, C
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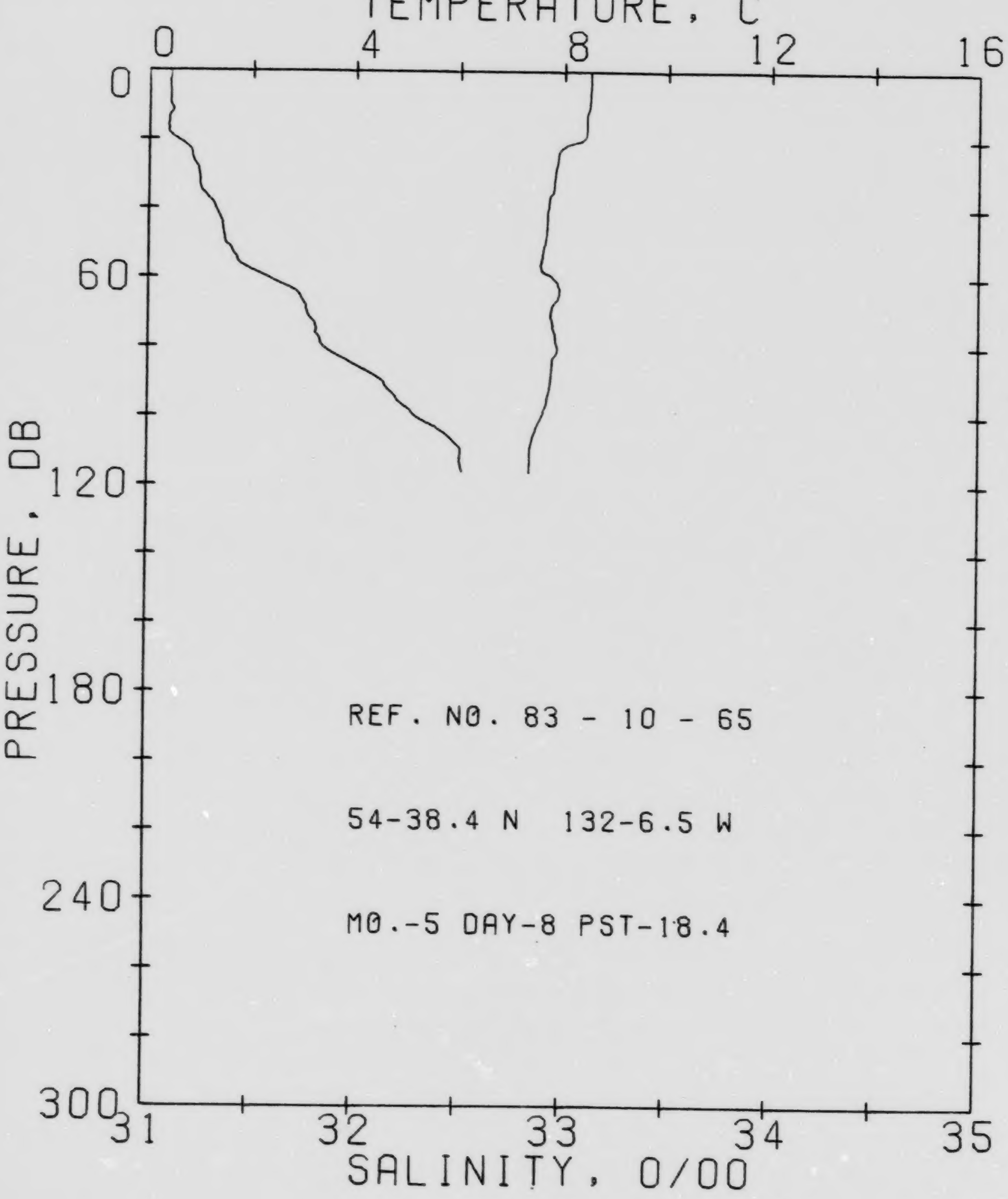
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 83 - 10 - 64
54-38.4 N 132-18.8 W
MO.-5 DAY-8 PST-17.6
31
32
33
34
35
SALINITY, 0/00

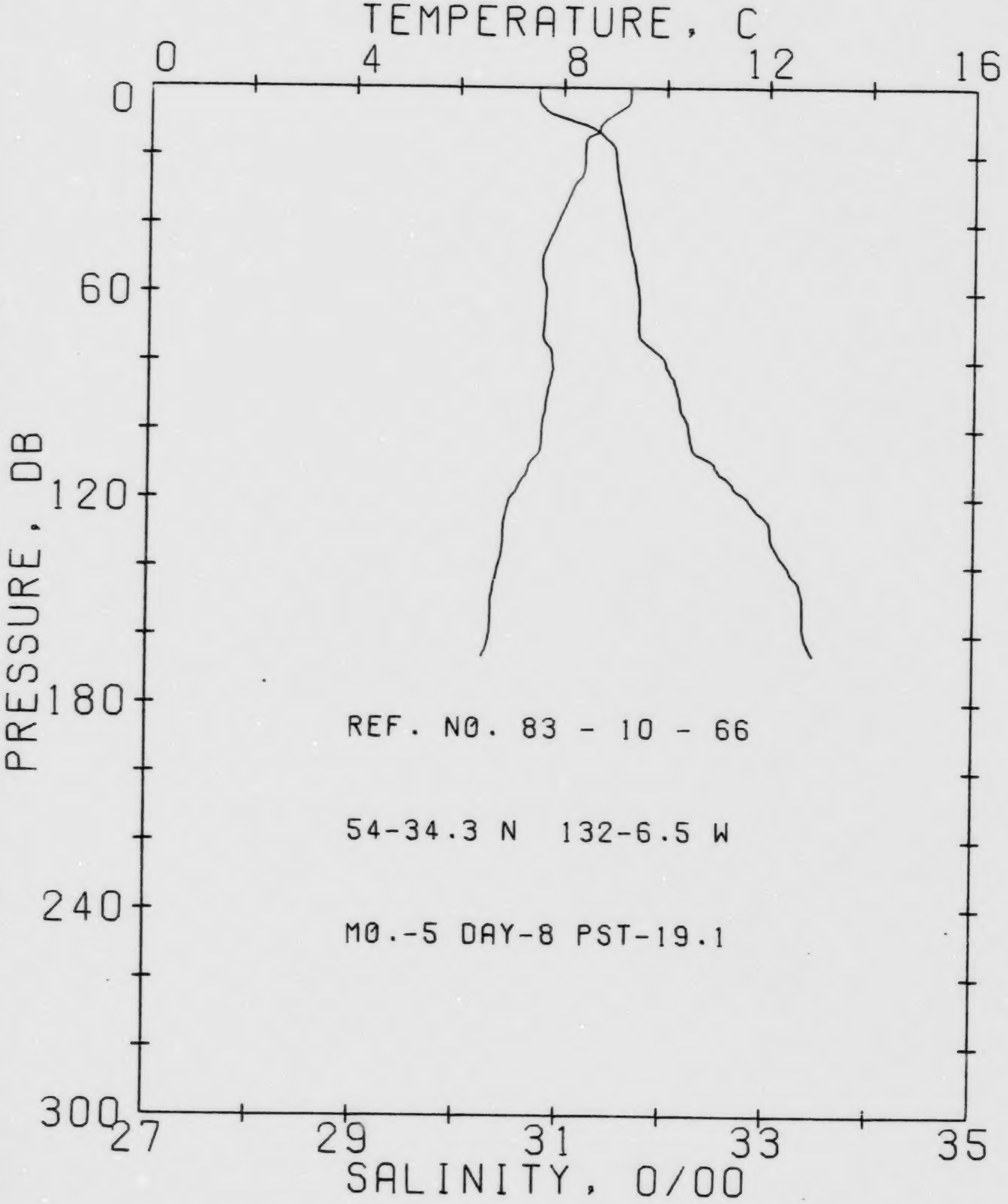
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 64          DATE  8/ 5/83
POSITION  54-38.4N, 132-18.8W          17.6       STATION Q54
RESULTS OF STP CAST   128 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH     SIGMA     SVA     DELTA     POT.    SOUND
                                       T                 D        EN
    0     9.07    31.07        0     24.06   386.3       .00      .00   1482.
   10     8.89    31.06       10     24.08   384.4       .39      .02   1481.
   20     8.31    31.08       20     24.18   375.0       .77      .08   1479.
   30     8.15    31.13       30     24.24   369.5      1.14      .17   1479.
   50     7.64    31.45       50     24.57   338.4      1.84      .46   1478.
   75     7.59    31.78       75     24.83   313.4      2.64      .97   1478.
  100     7.52    32.32       99     25.27   272.6      3.38     1.62   1479.
  125     7.26    32.63      124     25.54   246.6      4.03     2.37   1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 65
54-38.4 N 132-6.5 W
MO.-5 DAY-8 PST-18.4

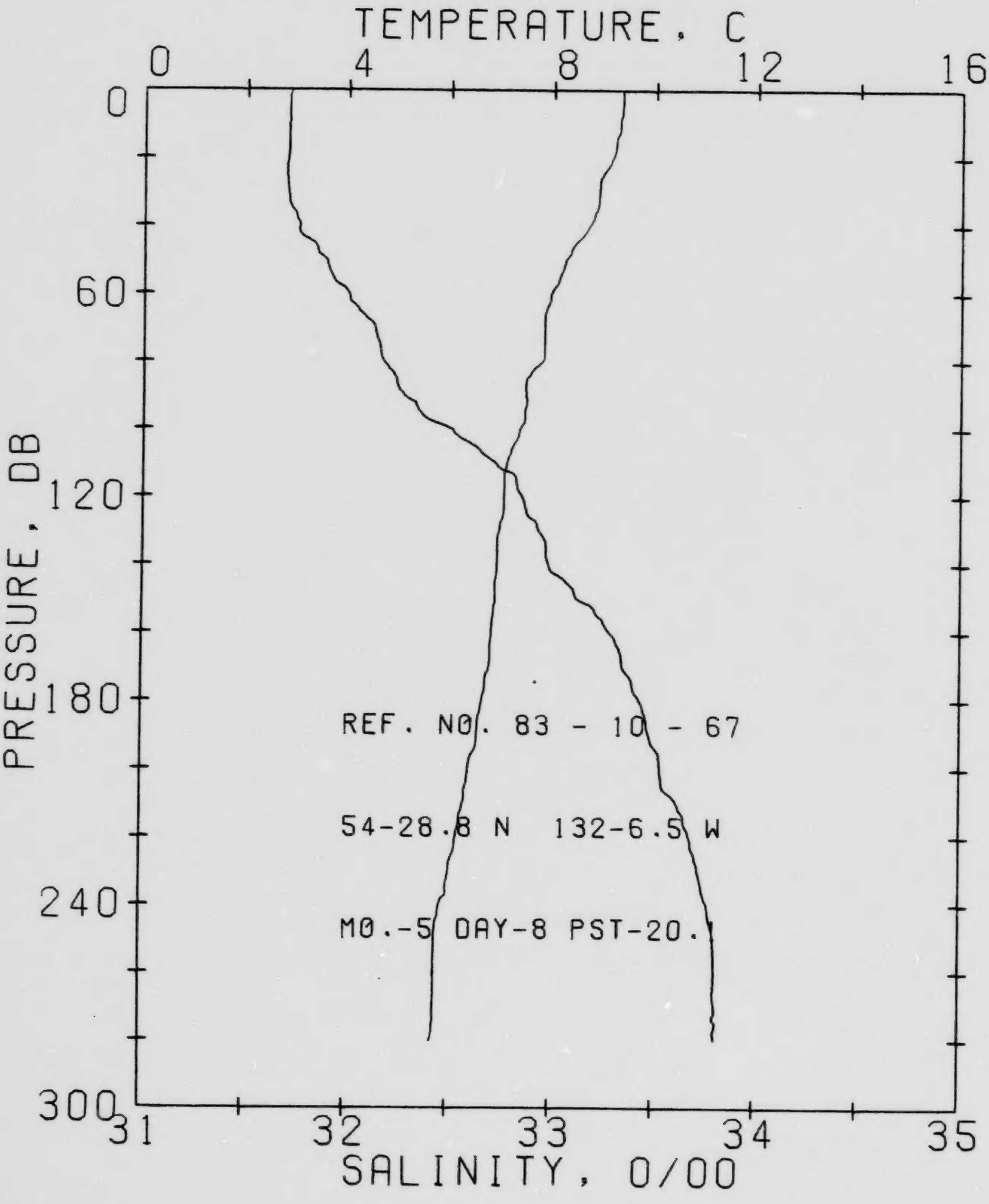
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 65         DATE  8/ 5/83
POSITION  54-38.4N, 132- 6.5W         18.4       STATION Q55
RESULTS OF STP CAST   117 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                    T                 D       EN
    0    8.50   31.10        0    24.17   375.7      .00      .00   1480.
   10    8.49   31.10       10    24.17   375.6      .38      .02   1480.
   20    8.36   31.14       20    24.22   371.4      .75      .08   1480.
   30    7.84   31.24       30    24.38   356.4     1.11      .17   1478.
   50    7.65   31.37       50    24.50   344.8     1.81      .45   1478.
   75    7.80   31.81       75    24.82   314.4     2.63      .97   1479.
  100    7.58   32.29       99    25.23   276.0     3.37     1.63   1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 83 - 10 - 66
54-34.3 N 132-6.5 W
MO.-5 DAY-8 PST-19.1
27
29
31
33
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 66          DATE  8/ 5/83
POSITION  54-34.3N, 132- 6.5W         19.1        STATION Q56
RESULTS OF STP CAST   167 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH     SIGMA     SVA     DELTA     POT.     SOUND
                                       T                 D       EN
   0      9.29    30.76       0     23.79   412.4       .00       .00   1482.
  10      8.78    31.11      10     24.14   379.0       .40       .02   1481.
  20      8.42    31.51      20     24.50   344.2       .76       .07   1480.
  30      8.18    31.56      30     24.57   337.9      1.10       .16   1480.
  50      7.61    31.69      50     24.76   320.5      1.76       .43   1478.
  75      7.70    31.83      75     24.85   311.7      2.55       .93   1479.
 100      7.62    32.23      99     25.18   280.8      3.29      1.59   1479.
 125      6.92    32.96     124     25.85   217.9      3.92      2.31   1478.
 150      6.66    33.35     149     26.19   185.7      4.42      3.01   1478.
```


TEMPERATURE, C
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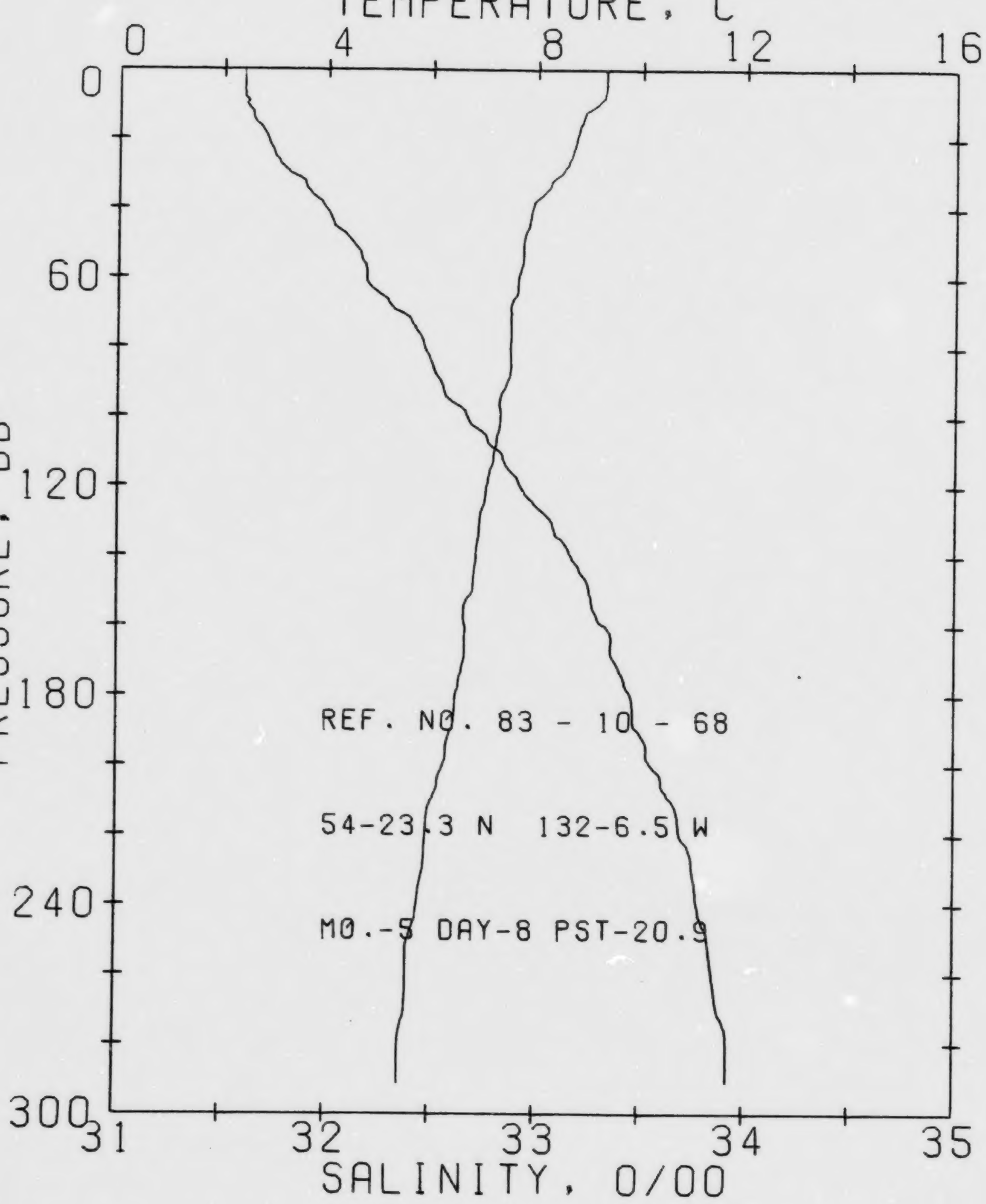
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 83 - 10 - 67
54-28.8 N 132-6.5 W
MO.-5 DAY-8 PST-20.1
31
32
33
34
35
SALINITY, 0/00

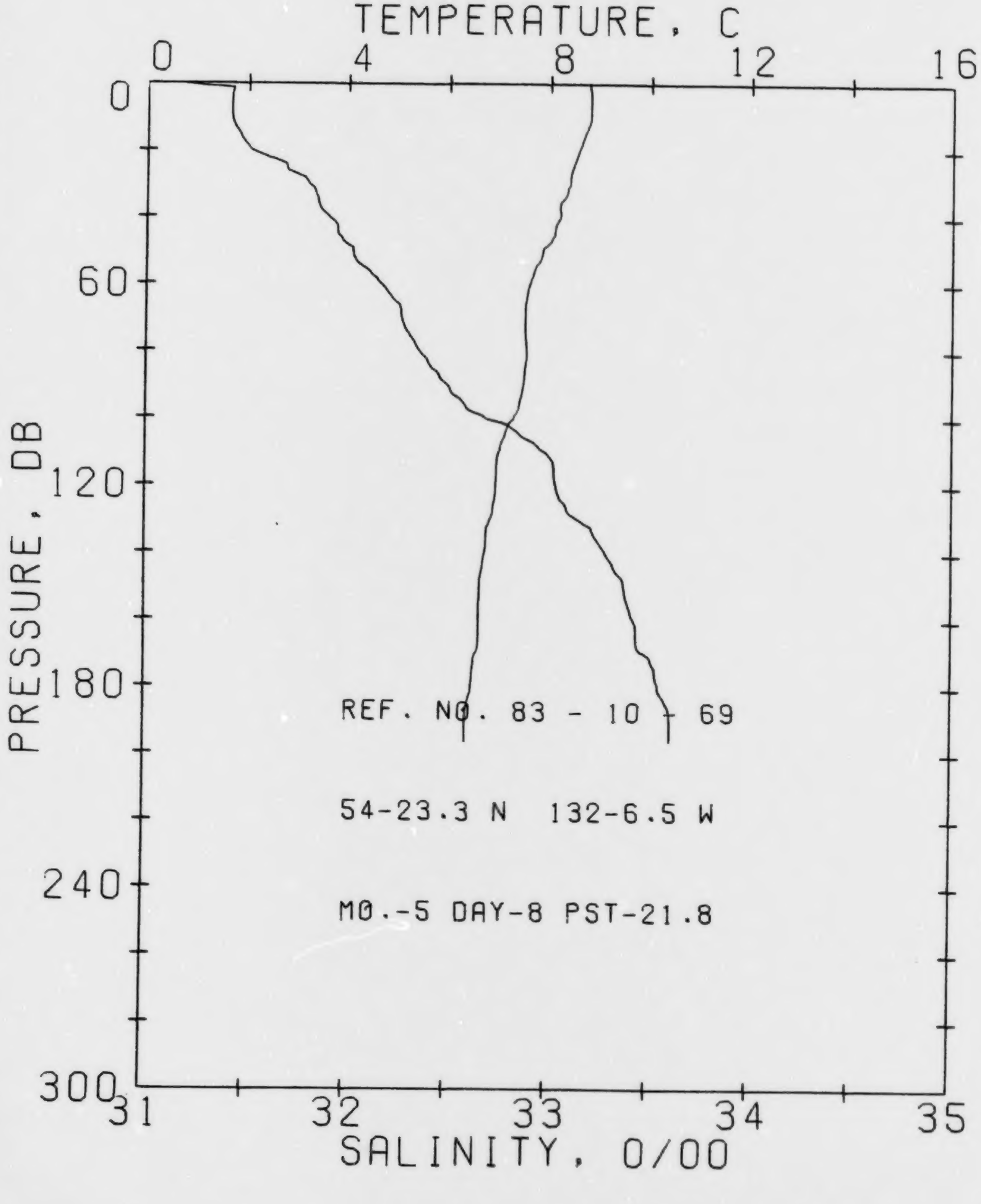
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 67         DATE  8/ 5/83
POSITION  54-28.8N, 132- 6.5W        20.1       STATION Q57
RESULTS OF STP CAST   281 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA     SVA    DELTA     POT.   SOUND
                                   T                D        EN
    0    9.34   31.72       0    24.52   342.2      .00      .00   1484.
   10    9.29   31.70      10    24.52   342.6      .34      .02   1484.
   20    9.14   31.70      20    24.54   340.9      .68      .07   1483.
   30    8.89   31.70      30    24.58   336.9     1.02      .16   1483.
   50    8.24   31.90      50    24.83   313.4     1.68      .42   1481.
   75    7.83   32.16      75    25.09   288.9     2.43      .90   1480.
  100    7.37   32.52      99    25.44   256.3     3.12     1.51   1479.
  125    7.06   32.88     124    25.77   225.6     3.71     2.19   1479.
  150    6.90   33.12     149    25.98   205.6     4.25     2.94   1479.
  175    6.71   33.40     174    26.22   183.2     4.73     3.74   1479.
  200    6.40   33.54     199    26.37   169.0     5.17     4.58   1478.
  225    6.11   33.71     223    26.54   153.1     5.57     5.45   1477.
  250    5.77   33.80     248    26.66   142.2     5.94     6.34   1477.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 83 - 10 - 68
54-23.3 N 132-6.5 W
MO.-5 DAY-8 PST-20.9
31
32
33
34
35
SALINITY, 0/00

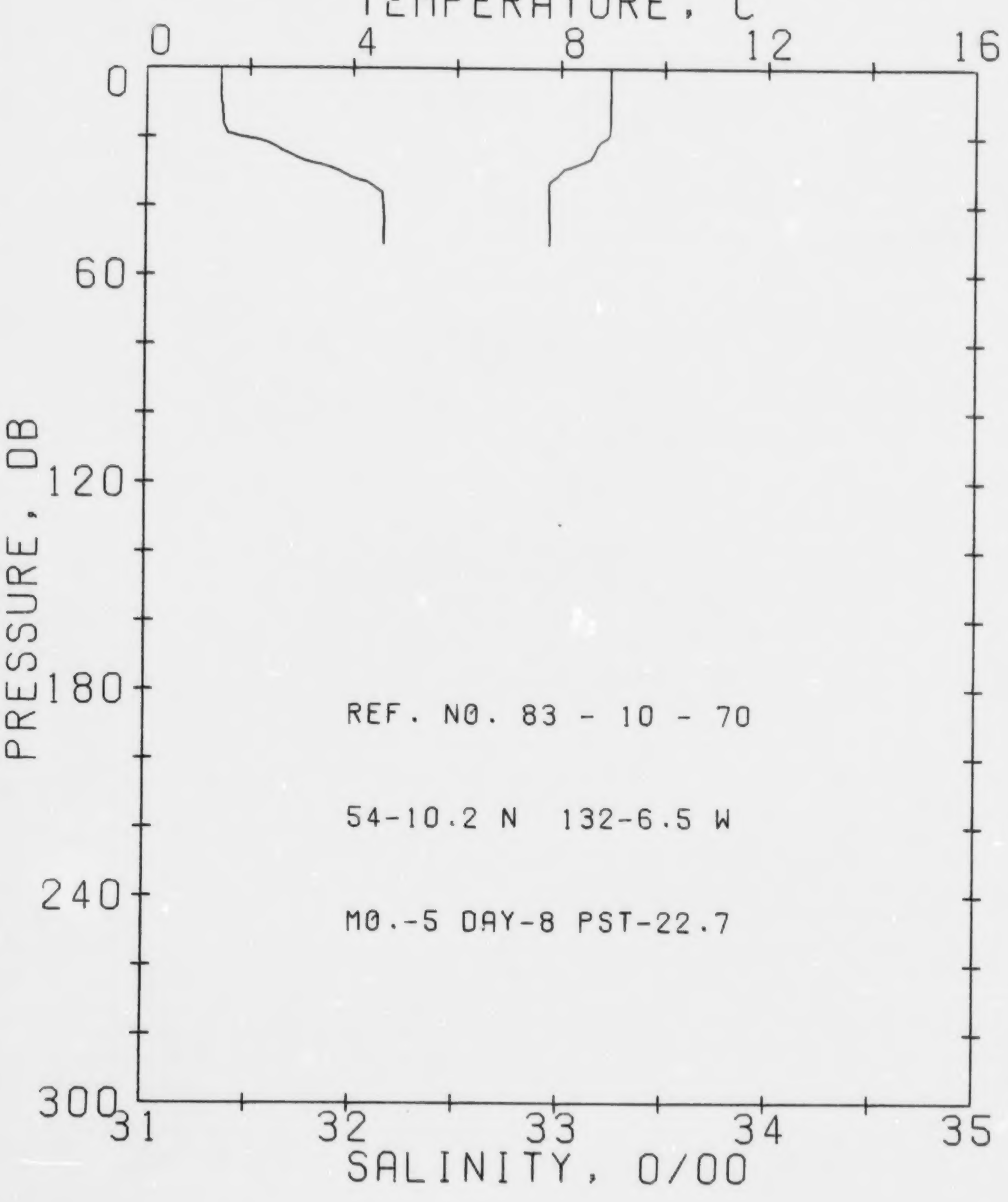
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 68          DATE  8/ 5/83
POSITION  54-23.3N, 132- 6.5W        20.9      STATION Q58
RESULTS OF STP CAST   292 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0    9.30    31.60       0    24.43   350.5     .00     .00   1483.
   10    9.14    31.61      10    24.47   347.5     .35     .02   1483.
   20    8.73    31.72      20    24.61   333.6     .69     .07   1482.
   30    8.45    31.83      30    24.74   321.5    1.02     .15   1481.
   50    7.74    32.13      50    25.08   289.5    1.62     .40   1479.
   75    7.52    32.43      75    25.35   264.1    2.32     .84   1479.
  100    7.33    32.68      99    25.57   243.9    2.96    1.41   1479.
  125    7.02    32.99     124    25.86   216.5    3.53    2.07   1479.
  150    6.82    33.26     149    26.09   194.7    4.04    2.78   1478.
  175    6.56    33.42     174    26.26   179.3    4.51    3.55   1478.
  200    6.26    33.56     199    26.40   165.9    4.94    4.38   1477.
  225    5.91    33.74     223    26.59   148.1    5.33    5.22   1477.
  250    5.60    33.83     248    26.70   138.0    5.69    6.09   1476.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 69
54-23.3 N 132-6.5 W
MO.-5 DAY-8 PST-21.8

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 69        DATE  8/ 5/83
POSITION  54-23.3N, 132- 6.5W       21.8      STATION Q59
RESULTS OF STP CAST   197 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T              D       EN
    0    8.77   31.19       0    24.20  372.8      .00      .00  1481.
   10    8.81   31.42      10    24.37  356.6      .36      .02  1482.
   20    8.57   31.52      20    24.49  345.8      .71      .07  1481.
   30    8.40   31.81      30    24.74  322.2     1.04      .16  1481.
   50    7.87   32.03      50    24.98  298.8     1.66      .41  1479.
   75    7.52   32.31      75    25.25  273.4     2.37      .86  1479.
  100    7.31   32.69      99    25.58  242.5     3.03     1.44  1479.
  125    6.91   33.08     124    25.94  208.6     3.57     2.07  1478.
  150    6.65   33.38     149    26.21  183.5     4.06     2.74  1478.
  175    6.52   33.53     174    26.35  170.5     4.50     3.48  1478.
```


TEMPERATURE, C
0
4
8
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16
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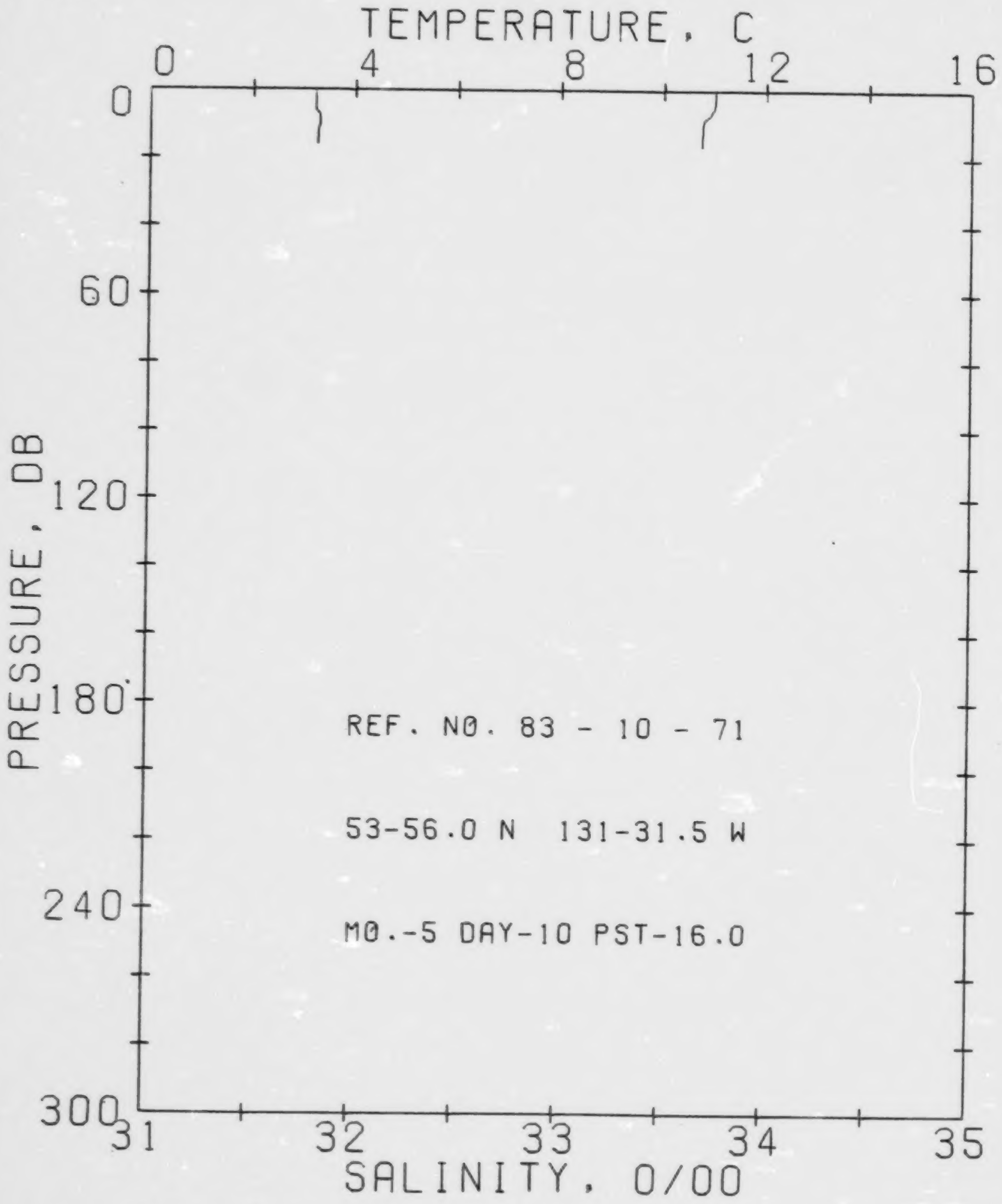
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 70
54-10.2 N 132-6.5 W
MO.-5 DAY-8 PST-22.7

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 70          DATE  8/ 5/83
POSITION  54-10.2N, 132- 6.5W          22.7        STATION Q60
RESULTS OF STP CAST     52 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP       SAL    DEPTH      SIGMA     SVA     DELTA      POT.    SOUND
                                         T                 D         EN
   0      8.96     31.36        0     24.30   363.0       .00        .00   1482.
  10      8.96     31.36       10     24.31   362.9       .36        .02   1482.
  20      8.90     31.46       20     24.39   354.9       .72        .07   1482.
  30      8.01     31.94       30     24.90   306.6      1.06        .16   1479.
  50      7.79     32.15       50     25.09   288.6      1.64        .39   1479.
```


TEMPERATURE, C
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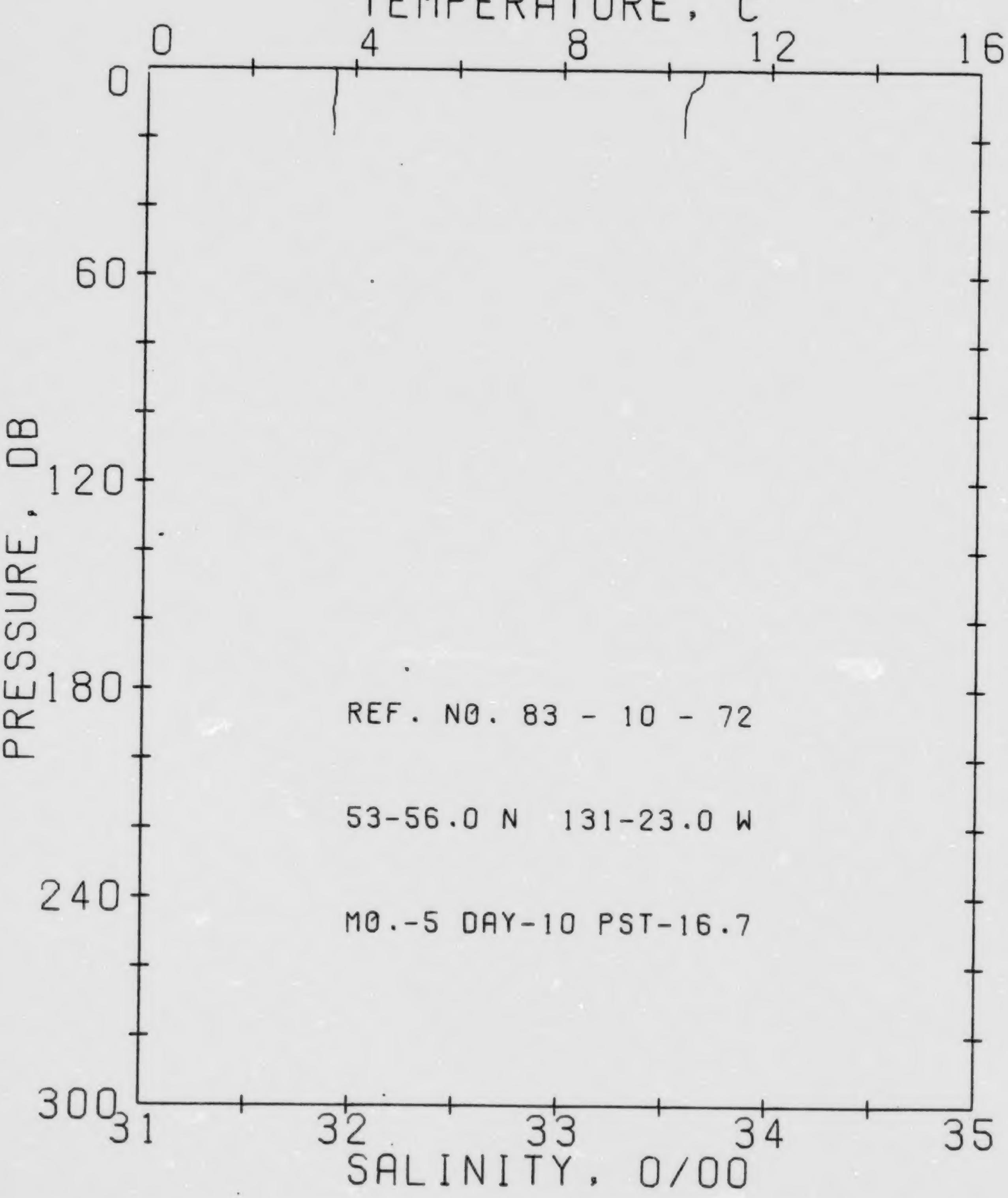
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 71
53-56.0 N 131-31.5 W
MO.-5 DAY-10 PST-16.0

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 71          DATE 10/ 5/83
POSITION  53-56.0N, 131-31.5W         16.0       STATION R 7
RESULTS OF STP CAST    15 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    11.00    31.81       0    24.32   361.9    .00      .00   1490.
  10    10.76    31.83      10    24.37   356.5    .36      .02   1489.


PRES   DEPTH      TEMP     SAL       PRES   DEPTH       TEMP     SAL

  0.             11.00   31.81         9.              10.77   31.83
  1.             11.00   31.81        10.              10.76   31.83
  3.             11.00   31.81        12.              10.76   31.82
  4.             11.00   31.81        13.              10.75   31.82
  5.             10.99   31.81        14.              10.75   31.82
  6.             10.95   31.81        15.              10.75   31.82
  7.             10.91   31.83        16.              10.75   31.82
  8.             10.81   31.83
```


TEMPERATURE, C
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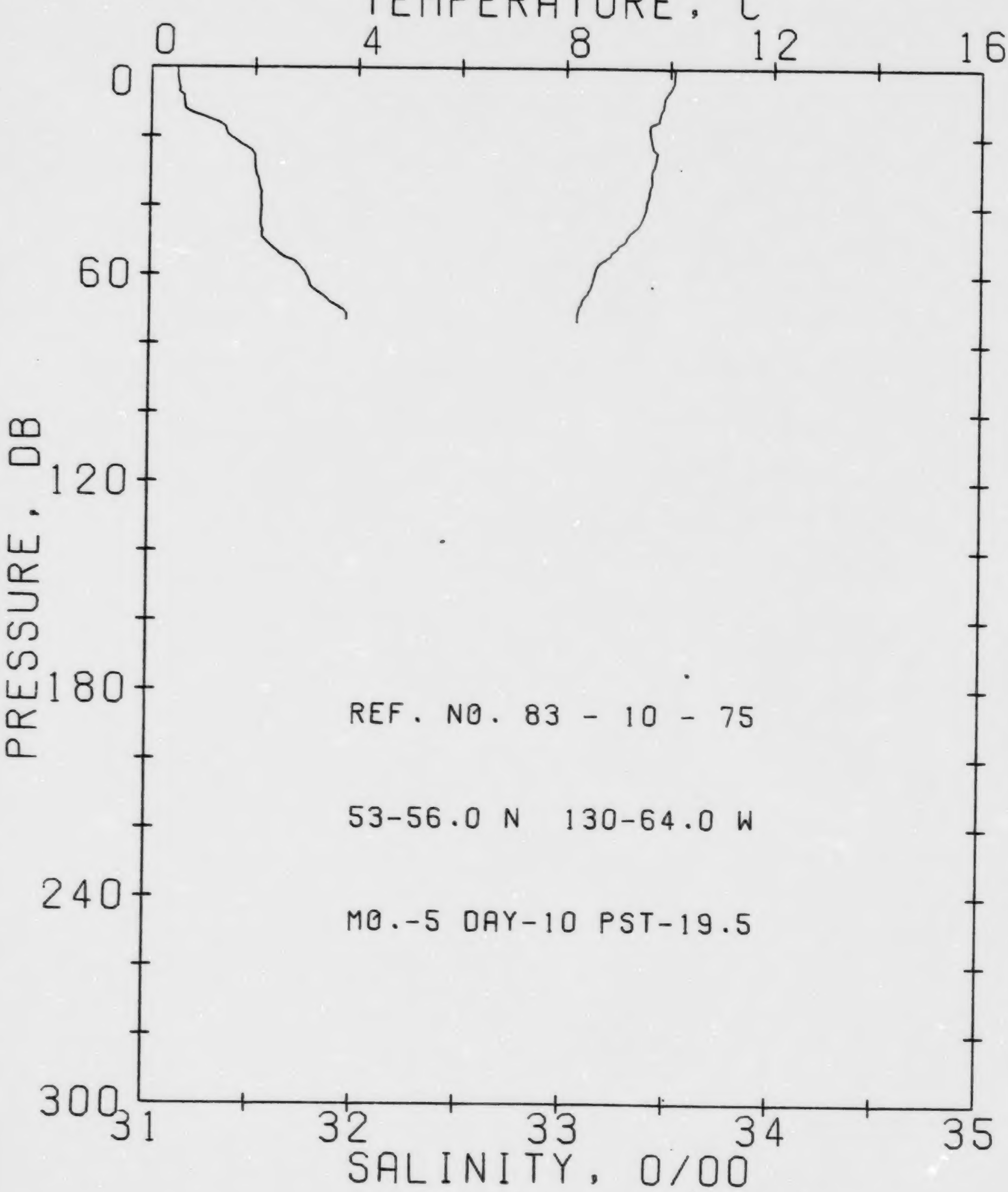
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 72
53-56.0 N 131-23.0 W
MO.-5 DAY-10 PST-16.7

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 72          DATE 10/ 5/83
POSITION  53-56.0N, 131-23.0W         16.7       STATION R 6
RESULTS OF STP CAST    20 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP      SAL    DEPTH    SIGMA     SVA    DELTA    POT.    SOUND
                                     T                D       EN
   0    10.70    31.90       0    24.44    349.7     .00      .00   1489.
  10    10.36    31.90      10    24.50    344.4     .35      .02   1488.
  20    10.33    31.89      20    24.50    344.7     .69      .07   1488.


PRES   DEPTH       TEMP      SAL        PRES   DEPTH        TEMP     SAL

  0.              10.70    31.90         10.                10.36    31.90
  1.              10.69    31.91         11.                10.34    31.89
  2.              10.68    31.91         12.                10.33    31.89
  3.              10.68    31.91         13.                10.33    31.90
  4.              10.65    31.91         14.                10.33    31.90
  5.              10.55    31.91         15.                10.33    31.90
  6.              10.44    31.91         16.                10.33    31.90
  7.              10.43    31.91         17.                10.32    31.90
  8.              10.41    31.90         18.                10.32    31.90
  9.              10.38    31.90         19.                10.32    31.90
```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16
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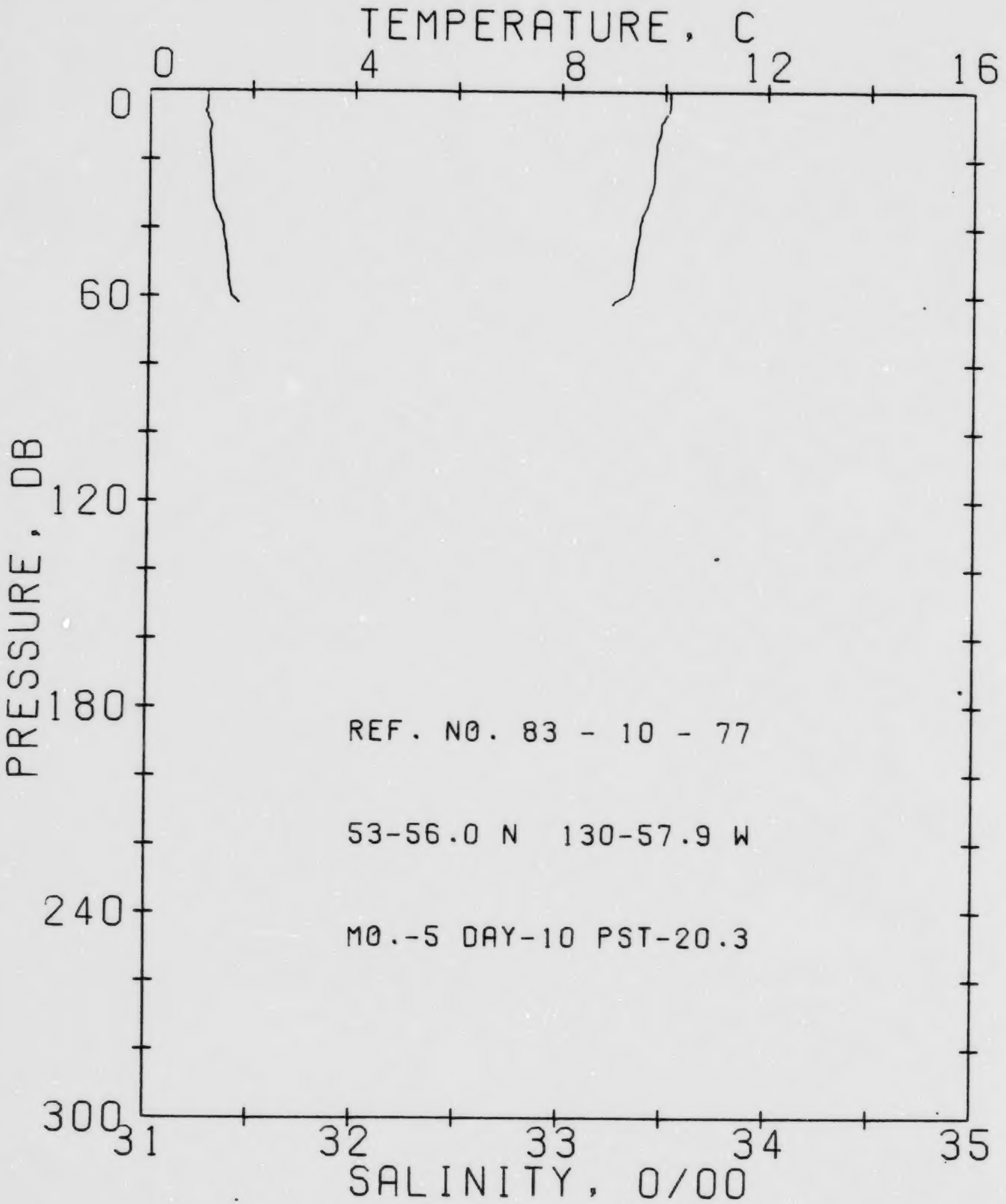
60
120
180
240
300
PRESSURE, DB
REF. N0. 83 - 10 - 75
53-56.0 N 130-64.0 W
M0.-5 DAY-10 PST-19.5
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 75          DATE 10/ 5/83
POSITION  53-56.0N, 130-64.0W          19.5       STATION R 3
RESULTS OF STP CAST    74 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0    10.08   31.13       0    23.94   397.3     .00      .00   1486.
  10     9.88   31.16      10    24.00   391.9     .40      .02   1485.
  20     9.62   31.39      20    24.22   371.2     .78      .08   1485.
  30     9.65   31.51      30    24.31   362.8    1.14      .17   1485.
  50     9.15   31.55      50    24.43   352.1    1.86      .46   1484.
  75     8.23   31.94      75    24.87   310.3    2.69      .98   1481.
```


TEMPERATURE, C
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8
12
16
PRESSURE, DB
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60
120
180
240
300
REF. NO. 83 - 10 - 77
53-56.0 N 130-57.9 W
MO.-5 DAY-10 PST-20.3
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 77          DATE 10/ 5/83
POSITION  53-56.0N, 130-57.9W         20.3       STATION R 2
RESULTS OF STP CAST    63 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0    10.10    31.28       0    24.06   386.1     .00     .00  1486.
  10     9.92    31.30      10    24.11   381.9     .39     .02  1486.
  20     9.80    31.30      20    24.13   380.3     .77     .08  1485.
  30     9.72    31.31      30    24.15   378.5    1.15     .17  1485.
  50     9.41    31.38      50    24.25   369.0    1.89     .48  1484.
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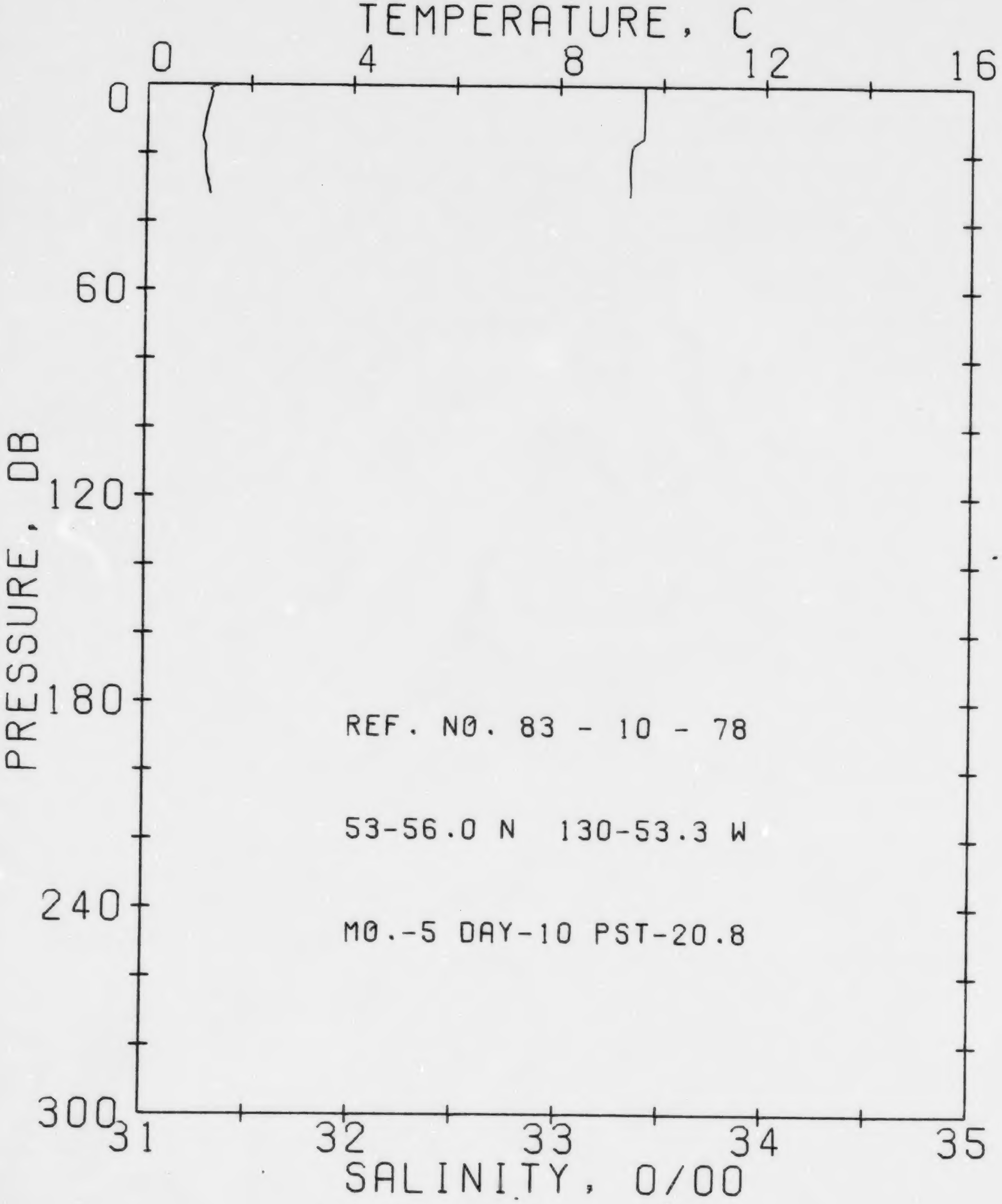

REF. NO. 83 - 10 - 78

53-56.0 N 130-53.3 W

MO.-5 DAY-10 PST-20.8

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 78          DATE 10/ 5/83
POSITION  53-56.0N, 130-53.3W        20.8       STATION R 1
RESULTS OF STP CAST    33 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS     TEMP      SAL    DEPTH     SIGMA     SVA     DELTA     POT.     SOUND
                                       T                 D        EN
   0      9.64    31.34        0     24.18   374.7      .00       .00   1484.
  10      9.64    31.28       10     24.14   379.0      .38       .02   1484.
  20      9.39    31.28       20     24.17   375.6      .76       .08   1484.
  30      9.38    31.31       30     24.20   373.7     1.13       .17   1484.


PRES  DEPTH        TEMP     SAL         PRES  DEPTH        TEMP     SAL

  0.               9.64   31.34          17.               9.44   31.28
  1.               9.64   31.30          18.               9.40   31.29
  2.               9.64   31.32          19.               9.40   31.28
  3.               9.64   31.31          20.               9.39   31.28
  4.               9.65   31.31          21.               9.38   31.28
  5.               9.65   31.30          22.               9.37   31.28
  6.               9.64   31.30          23.               9.36   31.28
  7.               9.64   31.29          24.               9.36   31.28
  8.               9.64   31.29          25.               9.36   31.29
  9.               9.64   31.28          26.               9.36   31.28
 10.               9.64   31.28          27.               9.36   31.29
 11.               9.64   31.28          28.               9.37   31.30
 12.               9.64   31.28          29.               9.37   31.30
 13.               9.64   31.27          30.               9.38   31.31
 14.               9.64   31.27          31.               9.38   31.30
 15.               9.64   31.27          32.               9.37   31.31
 16.               9.53   31.27
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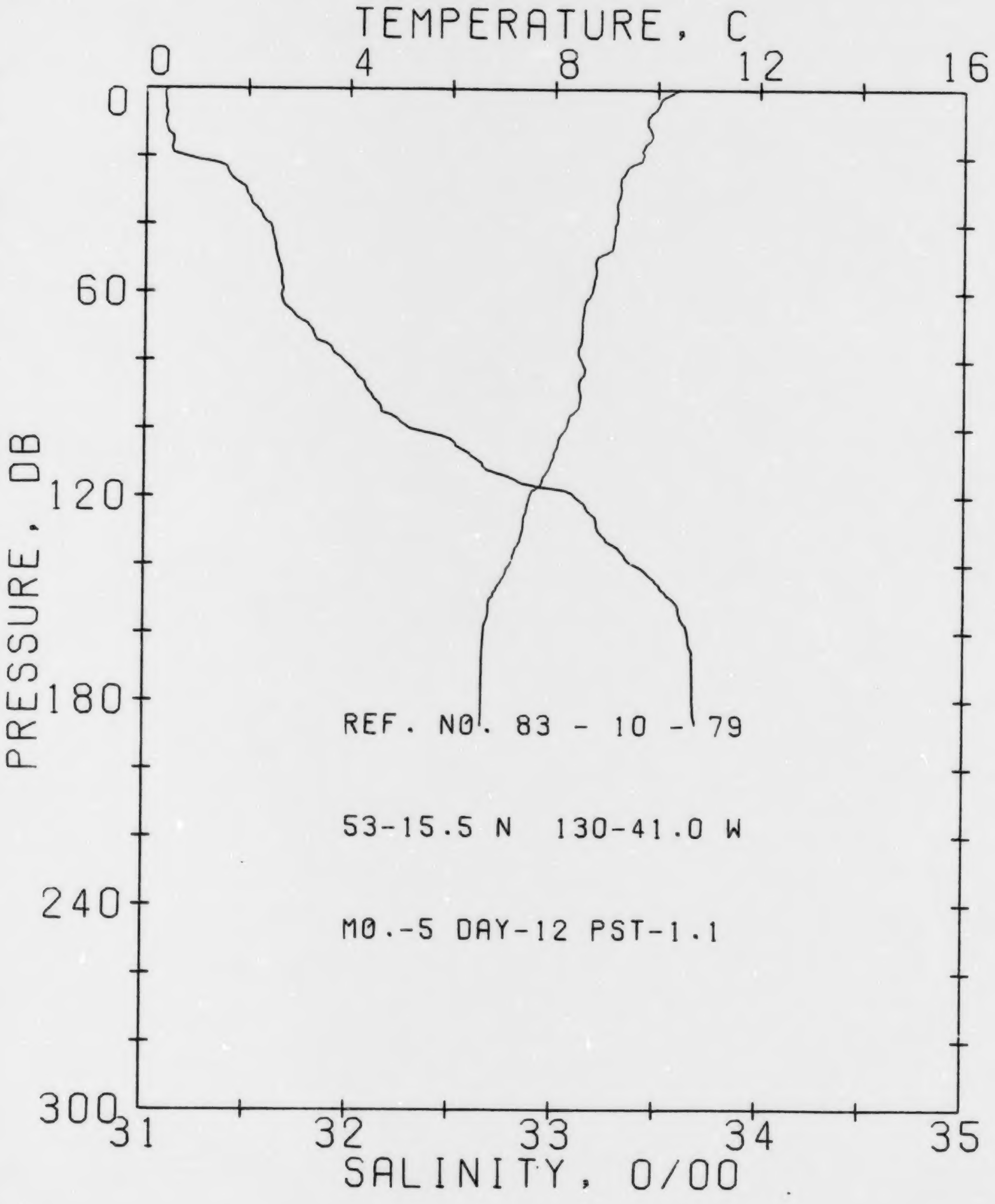
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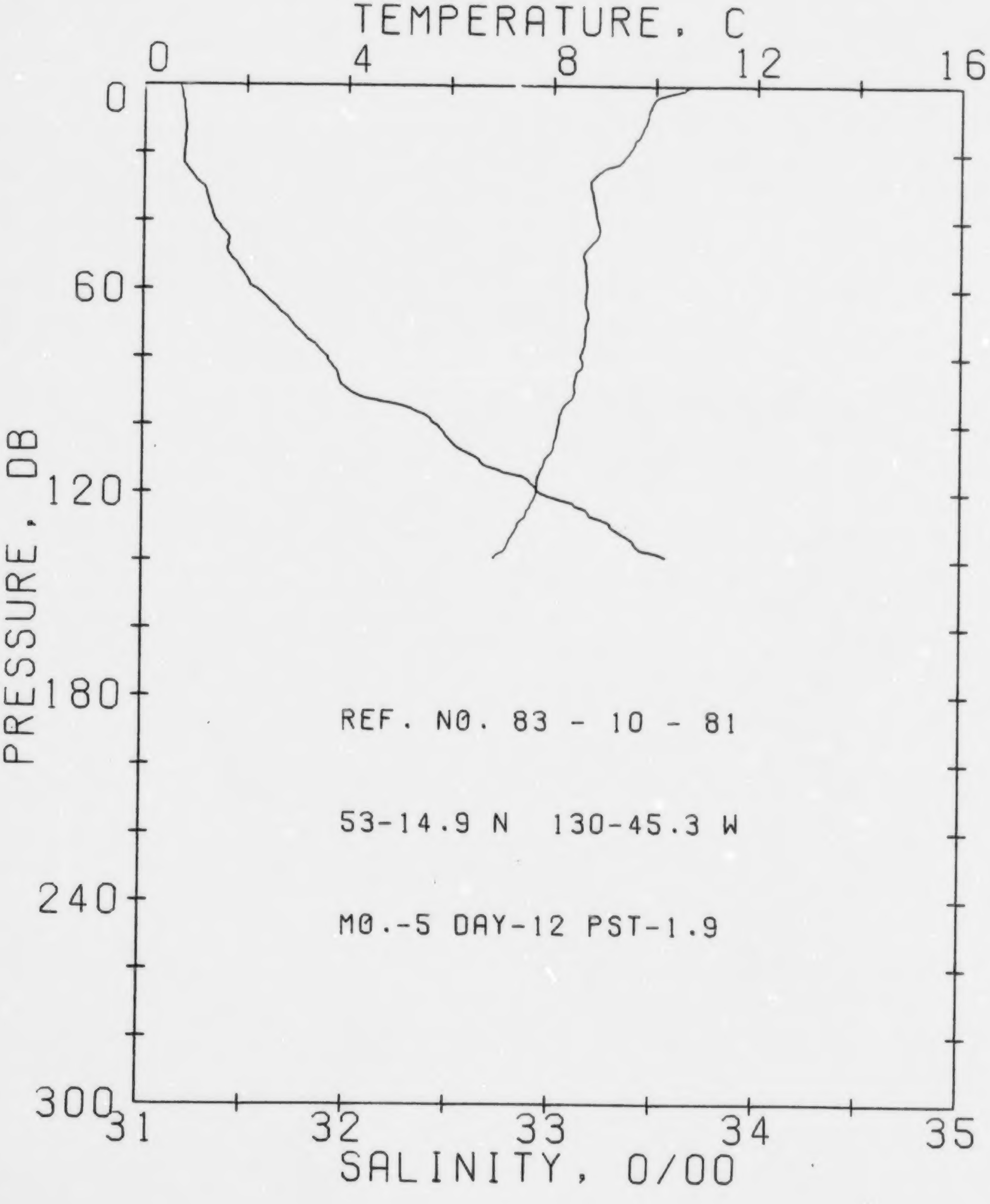
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 79
53-15.5 N 130-41.0 W
MO.-5 DAY-12 PST-1.1

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 79          DATE 12/ 5/83
POSITION   53-15.5N, 130-41.0W          1.1       STATION W 7
RESULTS OF STP CAST   188 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP      SAL   DEPTH     SIGMA    SVA     DELTA     POT.    SOUND
                                     T                D        EN
    0   10.39    31.10       0     23.88   403.8     .00      .00   1487.
   10    9.79    31.09      10     23.97   395.4     .40      .02   1485.
   20    9.72    31.19      20     24.05   387.1     .79      .08   1485.
   30    9.30    31.49      30     24.36   358.4    1.16      .17   1484.
   50    8.82    31.65      50     24.55   340.4    1.86      .46   1483.
   75    8.52    31.89      75     24.79   318.2    2.69      .99   1482.
  100    8.23    32.30      99     25.15   284.0    3.45     1.66   1482.
  125    7.44    33.18     124     25.95   208.0    4.06     2.36   1480.
  150    6.75    33.58     149     26.36   169.8    4.54     3.02   1479.
  175    6.62    33.68     174     26.45   160.9    4.95     3.70   1479.
```



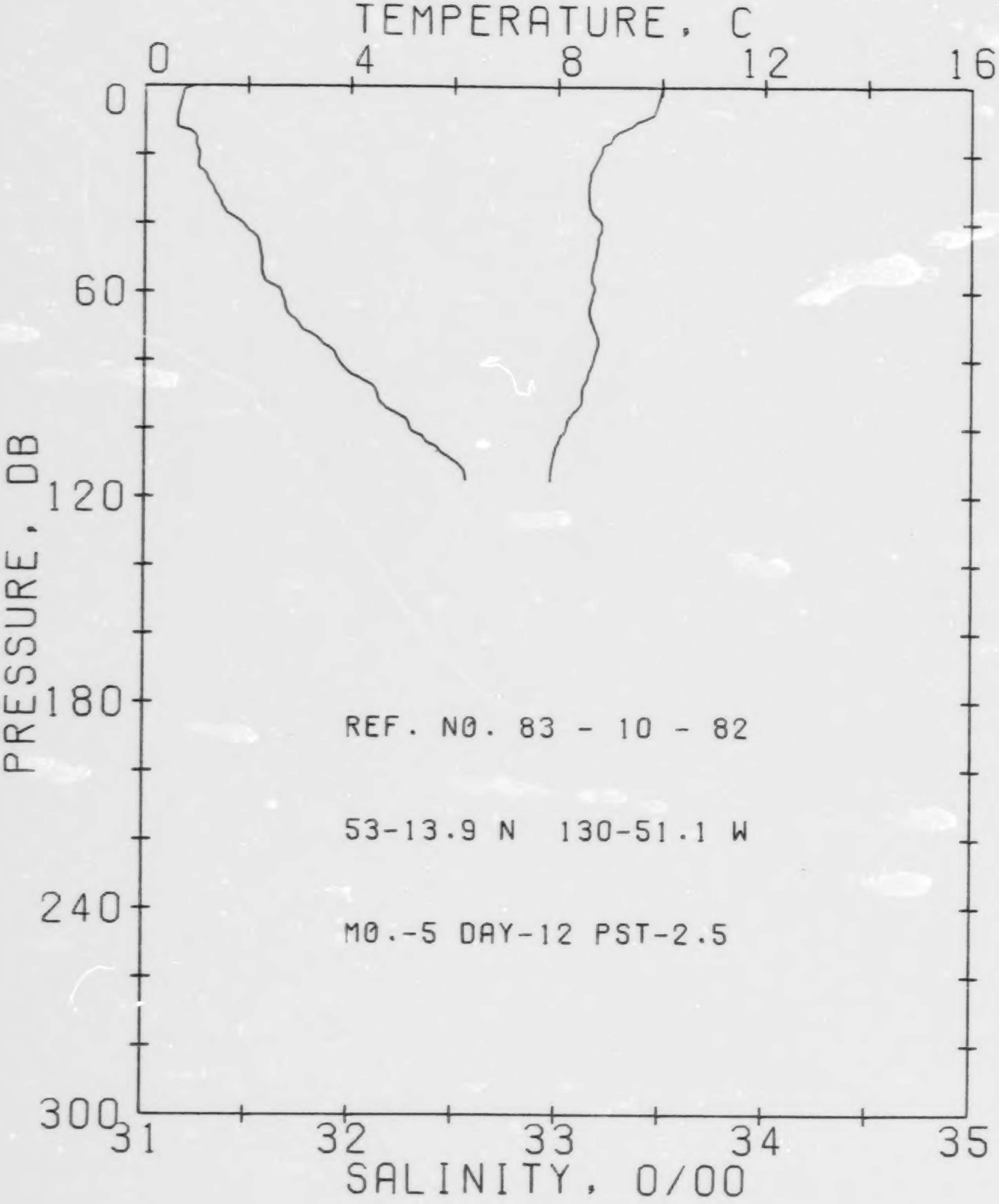
REF. NO. 83 - 10 - 81

53-14.9 N 130-45.3 W

MO.-5 DAY-12 PST-1.9

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 81          DATE 12/ 5/83
POSITION  53-14.9N, 130-45.3W          1.9       STATION W10
RESULTS OF STP CAST   140 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T               D       EN
    0   10.65   31.17       0    23.89  402.7      .00     .00  1488.
   10    9.84   31.20      10    24.04  388.1      .39     .02  1485.
   20    9.47   31.19      20    24.10  383.2      .78     .08  1484.
   30    8.73   31.30      30    24.29  364.5     1.15     .17  1481.
   50    8.59   31.42      50    24.41  353.8     1.87     .47  1481.
   75    8.63   31.81      75    24.71  325.6     2.73    1.01  1482.
  100    8.13   32.45      99    25.28  271.7     3.49    1.69  1482.
  125    7.54   33.17     124    25.93  210.3     4.10    2.39  1481.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. N0. 83 - 10 - 82
53-13.9 N 130-51.1 W
M0.-5 DAY-12 PST-2.5
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 82         DATE 12/ 5/83
POSITION  53-13.9N, 130-51.1W         2.5      STATION W11
RESULTS OF STP CAST   116 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   10.03    31.24       0    24.04  388.1      .00     .00   1486.
   10    9.53    31.15      10    24.05  386.9      .39     .02   1484.
   20    8.81    31.26      20    24.25  368.3      .77     .08   1482.
   30    8.60    31.34      30    24.34  360.0     1.13     .17   1481.
   50    8.74    31.57      50    24.50  345.0     1.84     .46   1482.
   75    8.78    31.86      75    24.72  324.3     2.68     .99   1483.
  100    8.18    32.29      99    25.14  284.4     3.44    1.67   1482.
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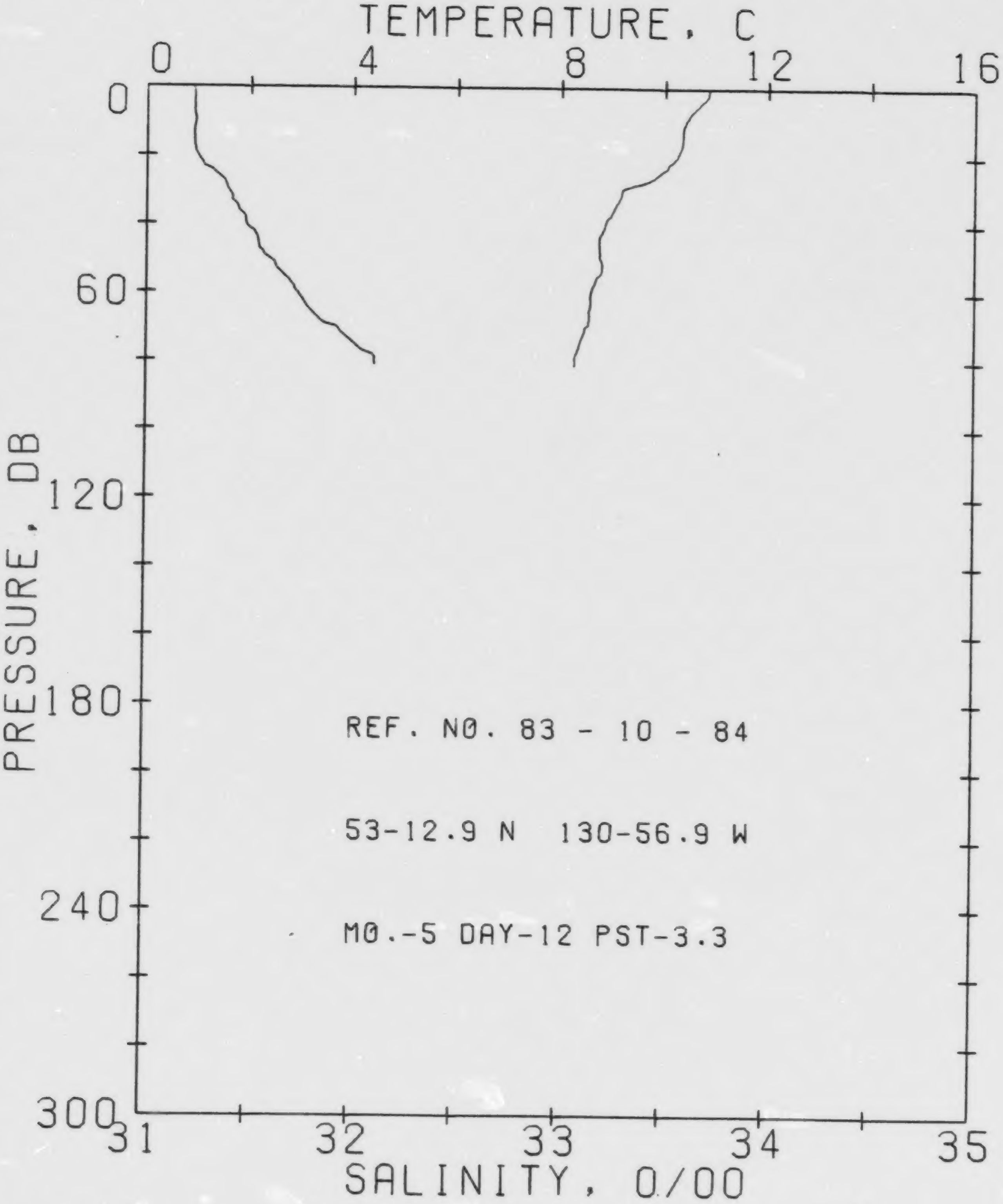
TEMPERATURE, C
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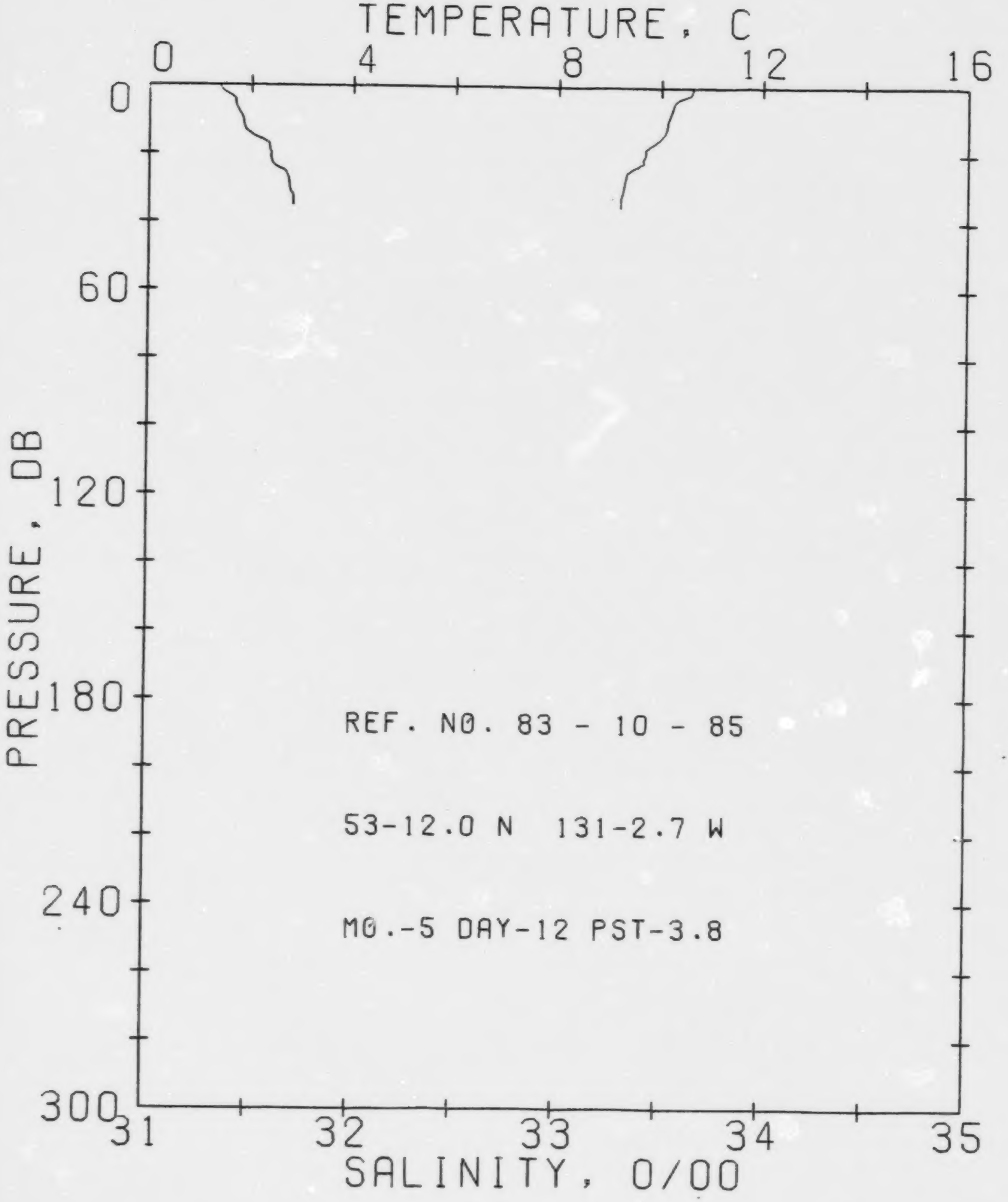
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. N0. 83 - 10 - 84
53-12.9 N 130-56.9 W
M0.-5 DAY-12 PST-3.3

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 84          DATE 12/ 5/83
POSITION  53-12.9N, 130-56.9W          3.3        STATION W12
RESULTS OF STP CAST    82 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T               D        EN
    0   10.86    31.22       0    23.89  402.5      .00      .00   1489.
   10   10.39    31.23      10    23.98  394.2      .40      .02   1487.
   20   10.23    31.25      20    24.01  391.0      .79      .08   1487.
   30    9.18    31.40      30    24.30  364.0     1.17      .18   1483.
   50    8.76    31.59      50    24.52  343.5     1.88      .46   1482.
   75    8.37    32.01      75    24.90  307.4     2.70      .98   1482.
```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300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 83 - 10 - 85
53-12.0 N 131-2.7 W
M0.-5 DAY-12 PST-3.8

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 85         DATE 12/ 5/83
POSITION  53-12.0N, 131- 2.7W          3.8      STATION W13
RESULTS OF STP CAST    36 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    10.63    31.35       0    24.03   389.5     .00      .00   1488.
  10    10.13    31.46      10    24.20   373.3     .38      .02   1486.
  20     9.69    31.60      20    24.37   356.6     .75      .07   1485.
  30     9.28    31.69      30    24.51   343.9    1.09      .16   1484.

PRES  DEPTH      TEMP     SAL        PRES   DEPTH       TEMP     SAL

  0.             10.63    31.35       18.                9.70    31.59
  1.             10.61    31.35       19.                9.72    31.59
  2.             10.58    31.37       20.                9.69    31.60
  3.             10.37    31.40       21.                9.65    31.59
  4.             10.28    31.42       22.                9.68    31.60
  5.             10.25    31.42       23.                9.55    31.61
  6.             10.23    31.43       24.                9.43    31.63
  7.             10.20    31.44       25.                9.34    31.67
  8.             10.18    31.45       26.                9.32    31.68
  9.             10.15    31.45       27.                9.31    31.68
 10.             10.13    31.46       28.                9.29    31.68
 11.             10.12    31.46       29.                9.29    31.69
 12.             10.11    31.47       30.                9.28    31.69
 13.             10.09    31.47       31.                9.26    31.69
 14.             10.04    31.50       32.                9.23    31.70
 15.              9.98    31.52       33.                9.22    31.71
 16.              9.90    31.56       34.                9.23    31.70
 17.              9.79    31.59       35.                9.22    31.70
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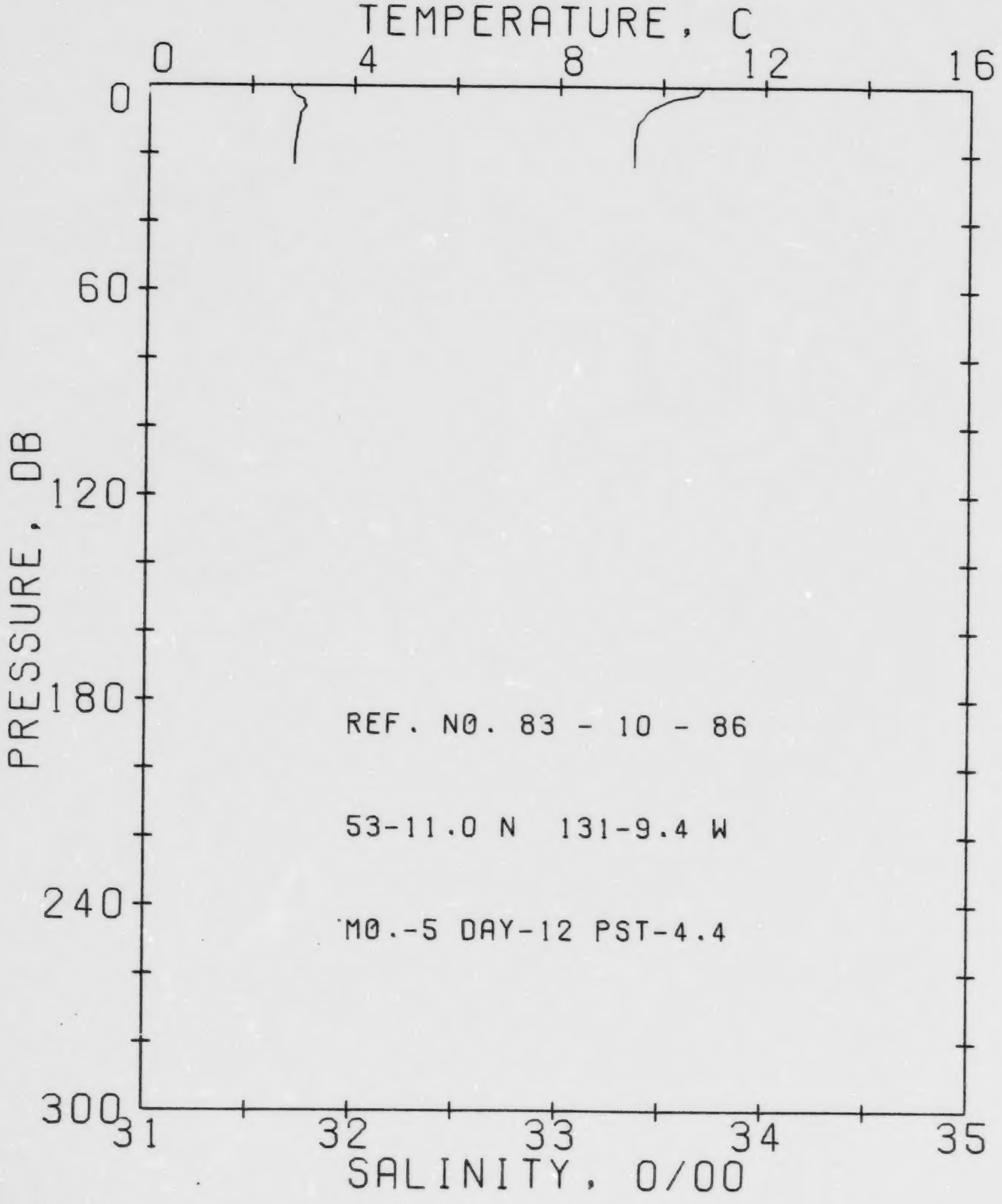
TEMPERATURE, C
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8
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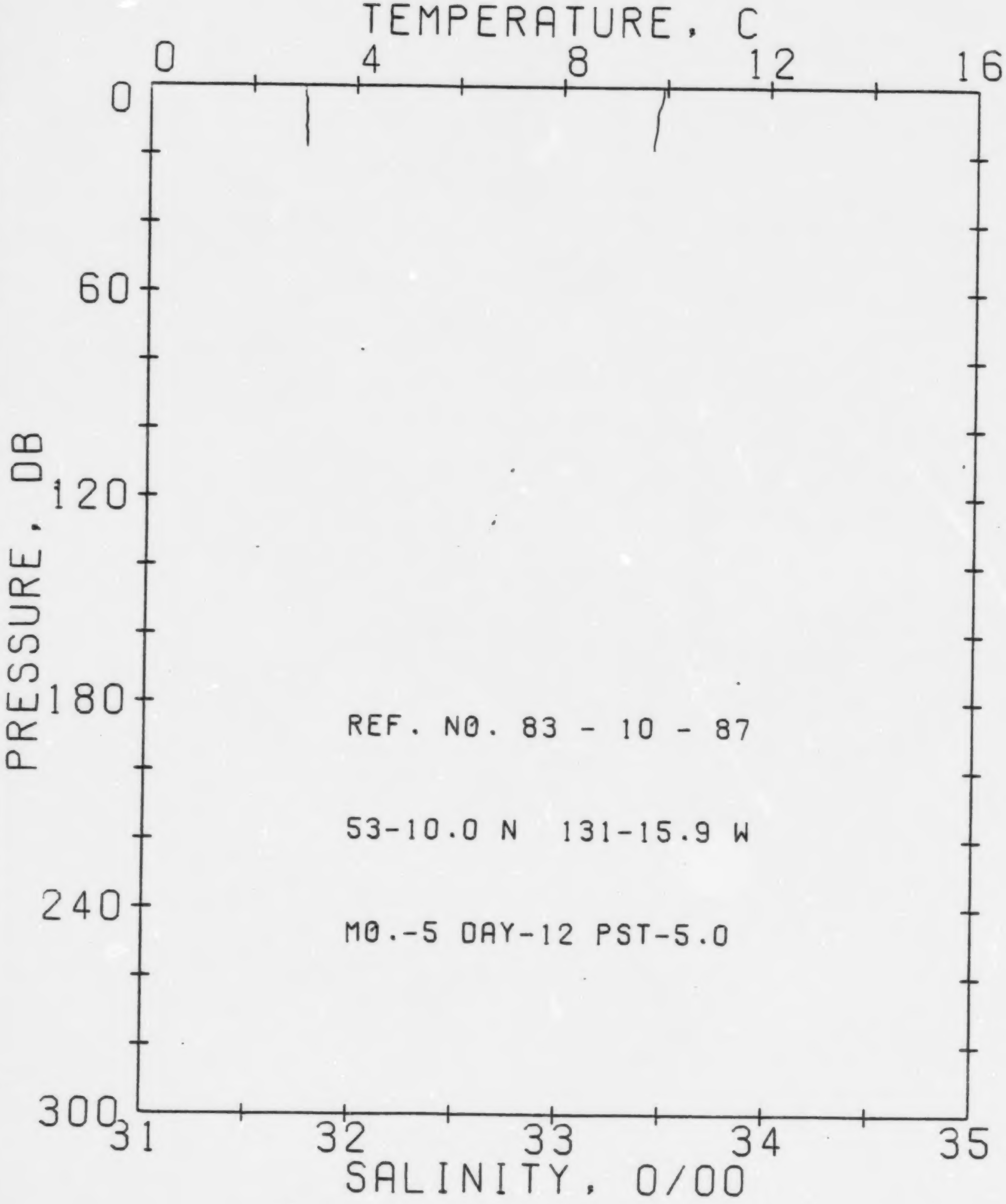
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 83 - 10 - 86
53-11.0 N 131-9.4 W
M0.-5 DAY-12 PST-4.4

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 86          DATE 12/ 5/83
POSITION  53-11.0N, 131- 9.4W          4.4        STATION W14
RESULTS OF STP CAST    24 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                   T                D      EN
   0   10.79    31.69       0    24.26  366.7     .00      .00  1489.
  10    9.54    31.73      10    24.50  344.3     .35      .02  1485.
  20    9.45    31.71      20    24.50  344.8     .70      .07  1484.

PRES  DEPTH       TEMP     SAL        PRES  DEPTH        TEMP     SAL

  0.             10.79   31.69         12.               9.50   31.72
  1.             10.74   31.69         13.               9.49   31.72
  2.             10.68   31.70         14.               9.48   31.72
  3.             10.27   31.72         15.               9.45   31.72
  4.             10.09   31.76         16.               9.45   31.71
  5.              9.94   31.75         17.               9.45   31.71
  6.              9.81   31.76         18.               9.45   31.71
  7.              9.70   31.75         19.               9.45   31.71
  8.              9.67   31.73         20.               9.45   31.71
  9.              9.62   31.73         21.               9.45   31.71
 10.              9.54   31.73         22.               9.45   31.71
 11.              9.50   31.73         23.               9.45   31.71
```

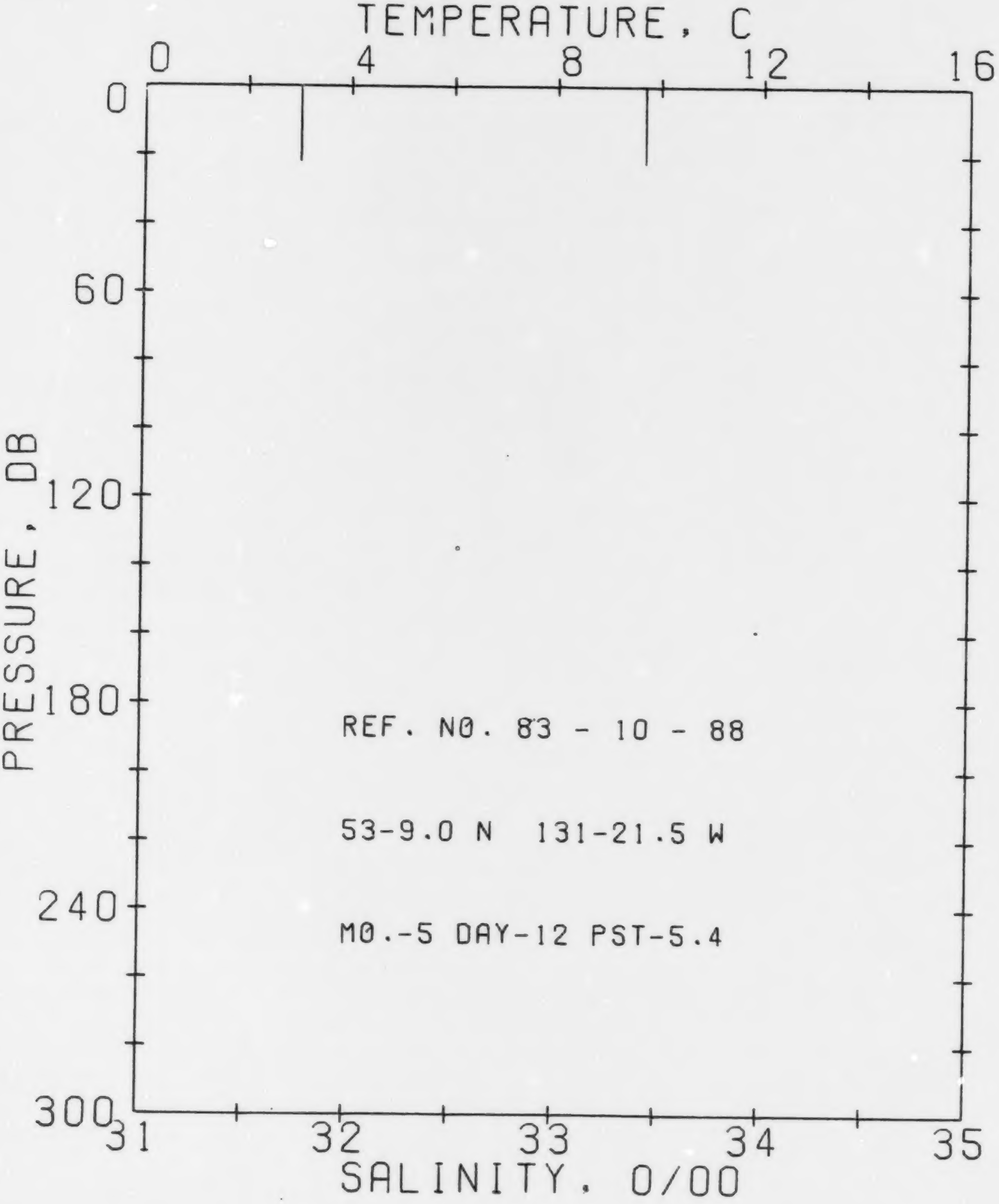

TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 87
53-10.0 N 131-15.9 W
MO.-5 DAY-12 PST-5.0

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 87        DATE 12/ 5/83
POSITION  53-10.0N, 131-15.9W          5.0      STATION W15
RESULTS OF STP CAST    19 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH     SIGMA     SVA     DELTA     POT.    SOUND
                                       T                  D       EN
   0      9.93    31.75        0     24.45   348.8      .00       .00   1486.
  10      9.81    31.76       10     24.48   346.4      .35       .02   1486.

PRES  DEPTH       TEMP      SAL        PRES  DEPTH        TEMP      SAL

  0.              9.93    31.75         10.               9.81    31.76
  1.              9.93    31.76         11.               9.80    31.76
  2.              9.93    31.75         12.               9.80    31.75
  3.              9.91    31.75         13.               9.79    31.76
  4.              9.90    31.76         14.               9.78    31.76
  5.              9.88    31.76         15.               9.76    31.76
  6.              9.85    31.75         16.               9.75    31.76
  7.              9.82    31.75         17.               9.74    31.76
  8.              9.81    31.76         18.               9.74    31.76
  9.              9.80    31.76
```



REF. NO. 83 - 10 - 88

53-9.0 N 131-21.5 W

MO.-5 DAY-12 PST-5.4

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 88          DATE 12/ 5/83
POSITION  53- 9.0N, 131-21.5W          5.4       STATION W16
RESULTS OF STP CAST    23 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0     9.70   31.75       0    24.49   344.9     .00      .00  1485.
  10     9.70   31.76      10    24.49   344.9     .34      .02  1485.
  20     9.70   31.75      20    24.49   345.1     .69      .07  1485.

PRES  DEPTH       TEMP     SAL        PRES  DEPTH       TEMP     SAL

  0.              9.70   31.75         12.              9.70   31.76
  1.              9.70   31.76         13.              9.70   31.75
  2.              9.70   31.76         14.              9.70   31.75
  3.              9.70   31.76         15.              9.70   31.76
  4.              9.70   31.76         16.              9.70   31.76
  5.              9.70   31.75         17.              9.70   31.76
  6.              9.70   31.76         18.              9.70   31.75
  7.              9.70   31.75         19.              9.70   31.76
  8.              9.70   31.76         20.              9.70   31.75
  9.              9.70   31.76         21.              9.70   31.75
 10.              9.70   31.76         22.              9.70   31.76
 11.              9.70   31.76
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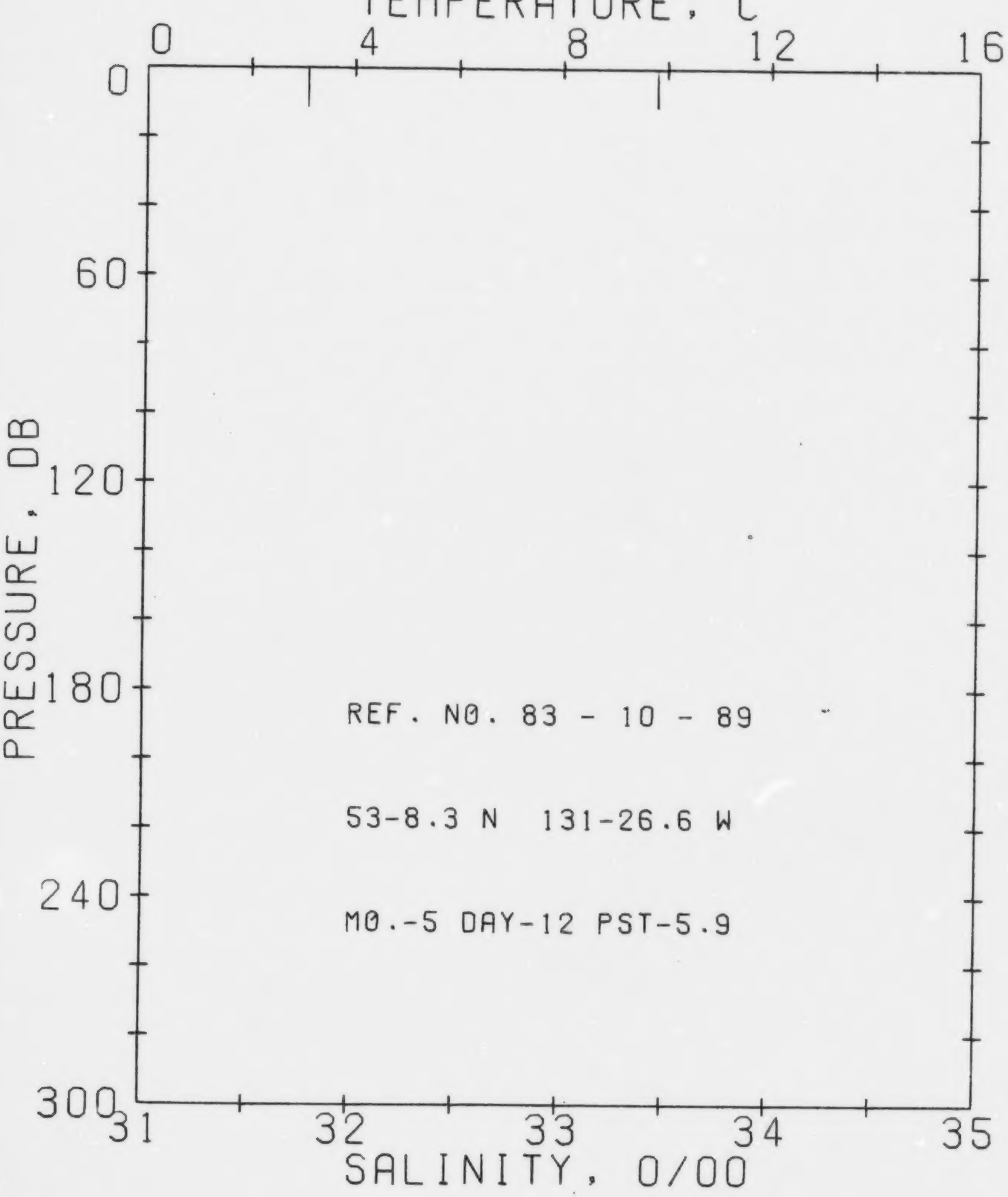
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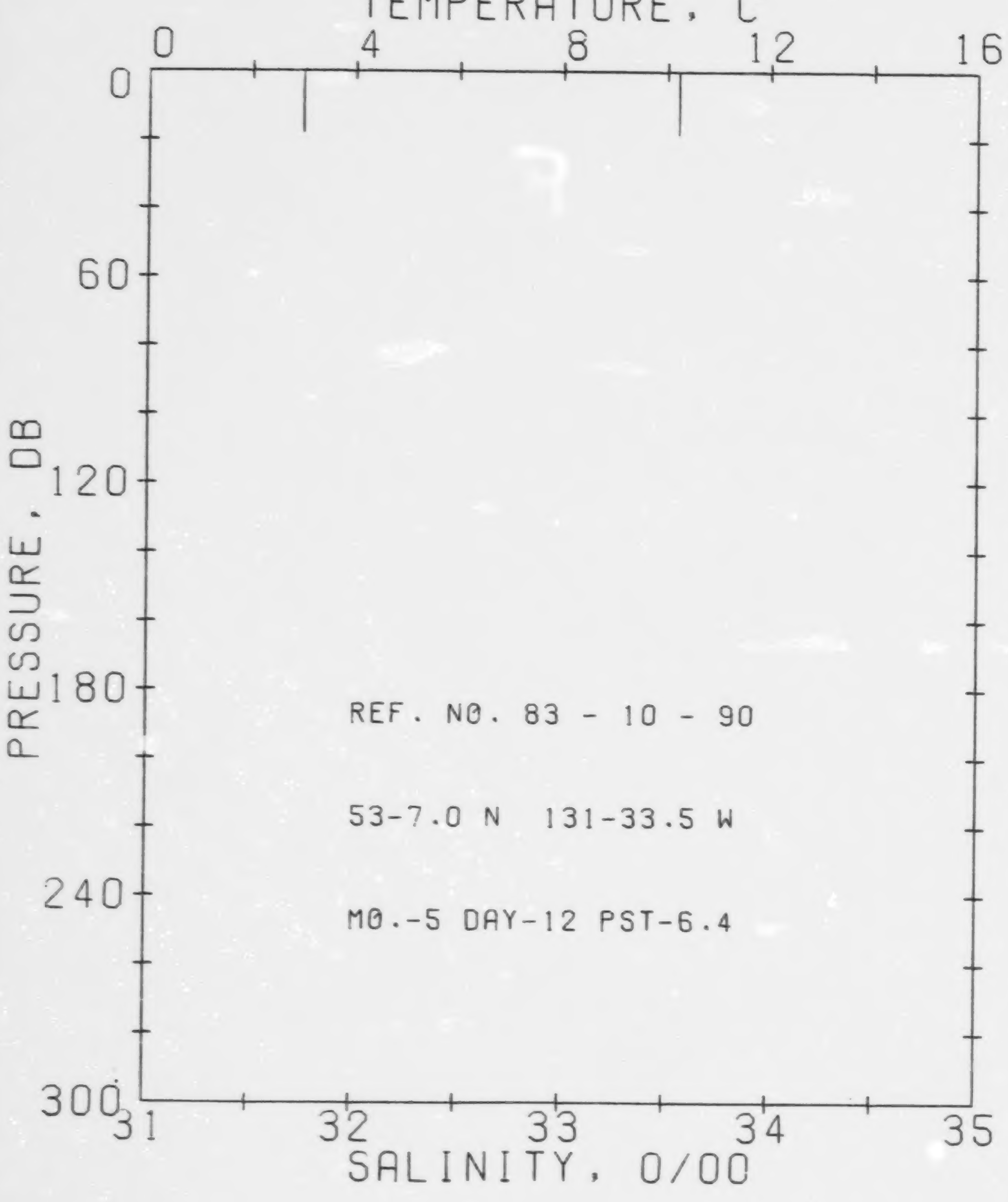
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 83 - 10 - 89
53-8.3 N 131-26.6 W
MO.-5 DAY-12 PST-5.9
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 89          DATE 12/ 5/83
POSITION  53- 8.3N, 131-26.6W          5.9       STATICN W15
RESULTS OF STP CAST     12 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH     SIGMA     SVA     DELTA     POT.    SOUND
                                       T                 D        EN
   0      9.81     31.77       0     24.49   345.0      .00       .00   1486.
  10      9.81     31.77      10     24.49   345.2      .35       .02   1486.

PRES   DEPTH         TEMP      SAL         PRES   DEPTH          TEMP      SAL

  0.                 9.81     31.77          6.                  9.81     31.77
  1.                 9.81     31.78          7.                  9.81     31.77
  2.                 9.81     31.77          8.                  9.81     31.77
  3.                 9.81     31.77          9.                  9.81     31.77
  4.                 9.81     31.77         10.                  9.81     31.77
  5.                 9.81     31.77         11.                  9.81     31.77
```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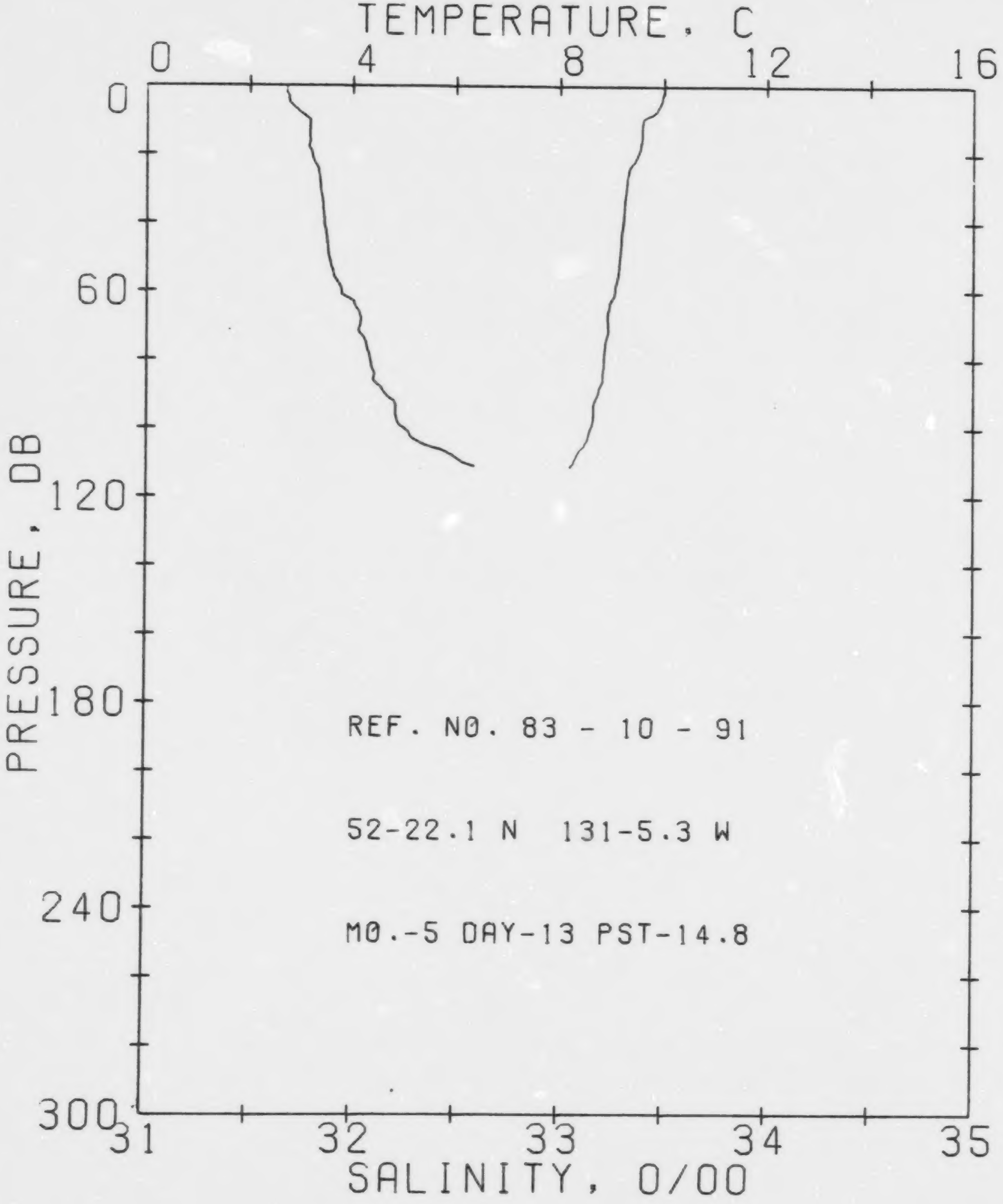
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 90
53-7.0 N 131-33.5 W
MO.-5 DAY-12 PST-6.4

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 90         DATE 12/ 5/83
POSITION  53- 7.0N, 131-33.5W         6.4      STATION W16
RESULTS OF STP CAST    19 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    10.22    31.75       0    24.40  353.6     .00       .00  1487.
  10    10.22    31.74      10    24.40  353.9     .35       .02  1487.

PRES  DEPTH        TEMP      SAL       PRES  DEPTH        TEMP     SAL

  0.               10.22    31.75       10.               10.22   31.74
  1.               10.22    31.75       11.               10.22   31.74
  2.               10.22    31.75       12.               10.22   31.75
  3.               10.22    31.75       13.               10.22   31.75
  4.               10.22    31.75       14.               10.22   31.75
  5.               10.22    31.74       15.               10.22   31.74
  6.               10.22    31.74       16.               10.22   31.74
  7.               10.22    31.75       17.               10.22   31.75
  8.               10.22    31.75       18.               10.21   31.75
  9.               10.22    31.75
```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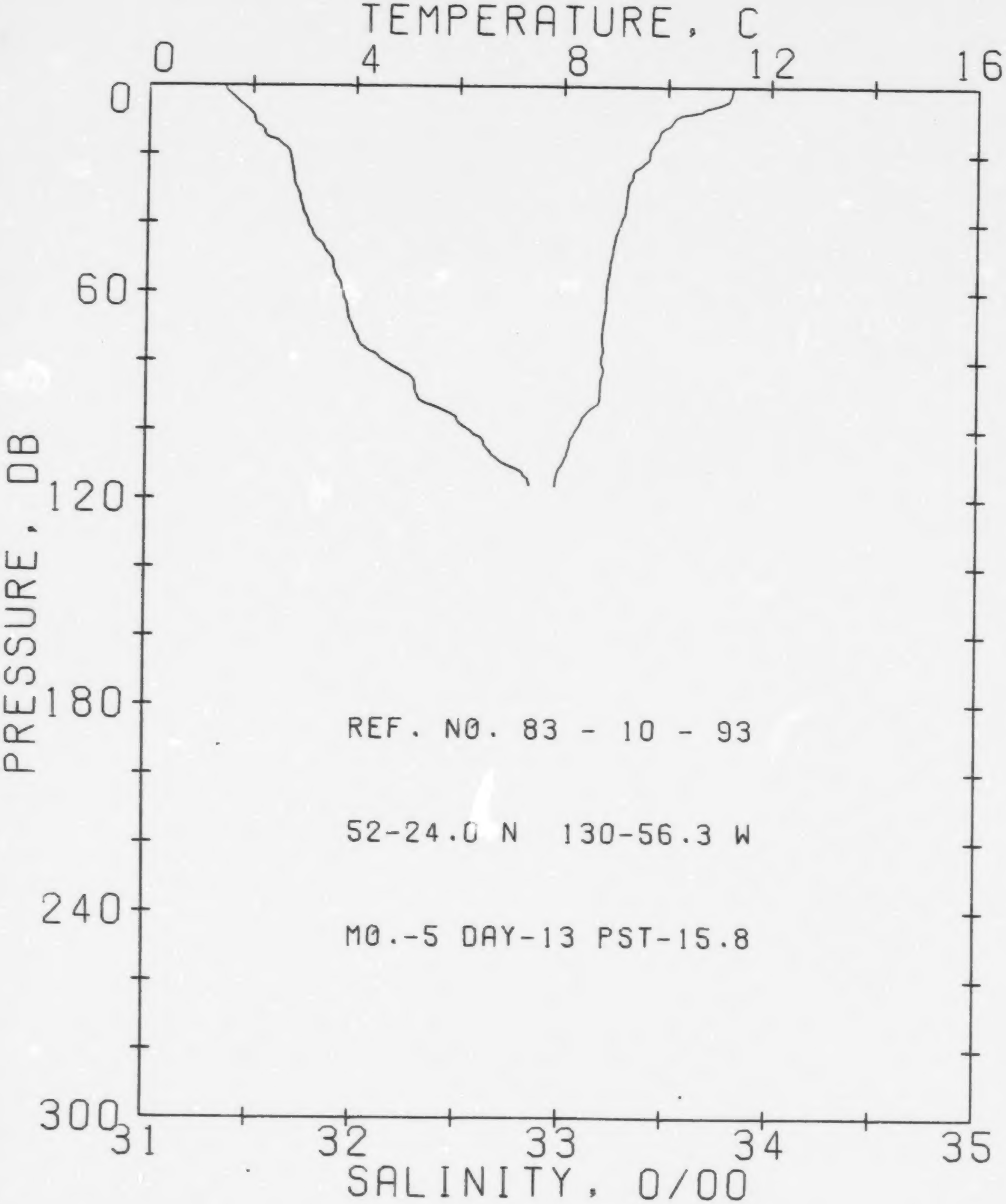
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 91
52-22.1 N 131-5.3 W
MO.-5 DAY-13 PST-14.8

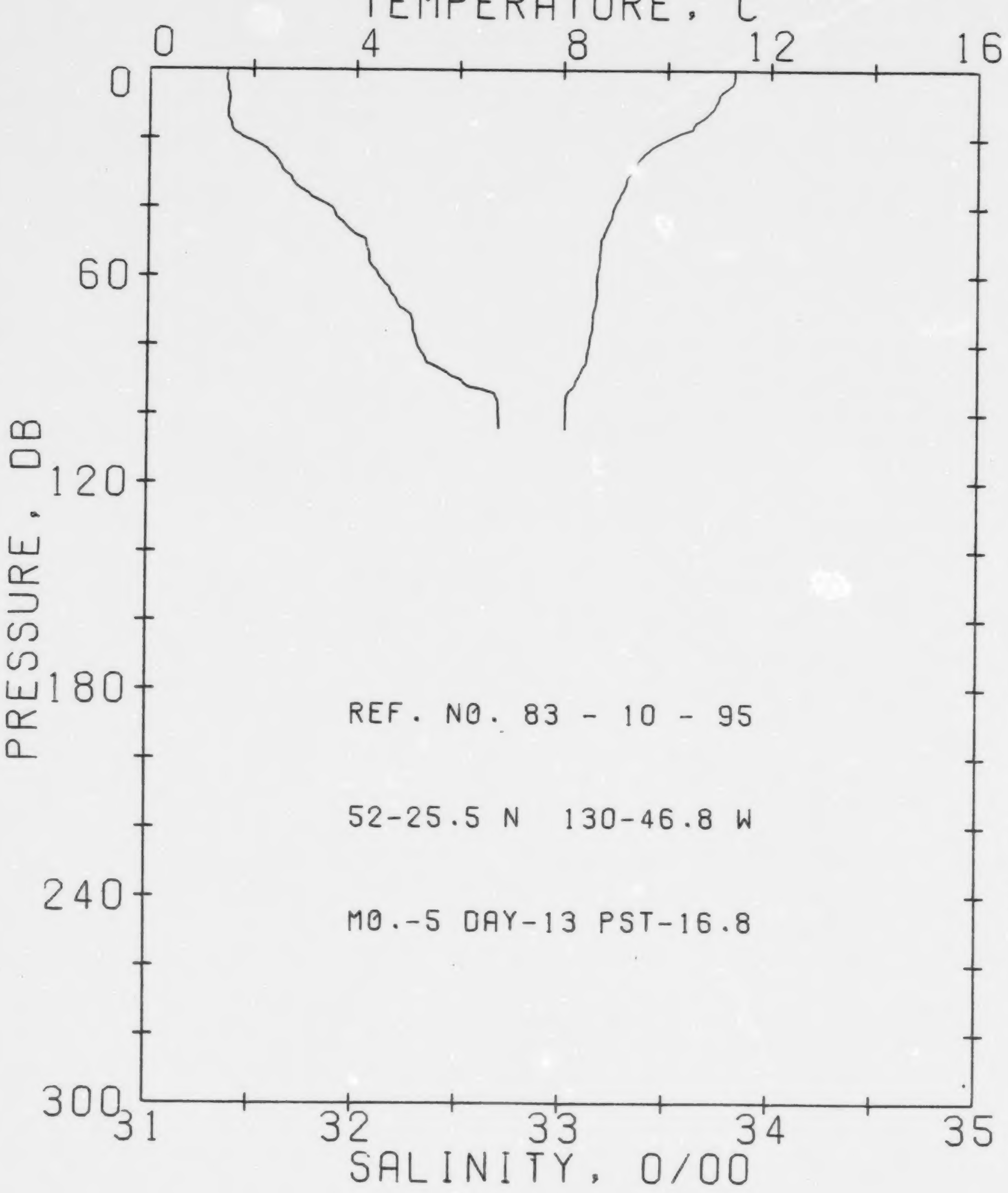
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 91          DATE 13/ 5/83
POSITION  52-22.1N, 131- 5.3W          14.8        STATION H 1
RESULTS OF STP CAST   112 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH     SIGMA     SVA    DELTA     POT.    SOUND
                                      T                D        EN
    0   10.02    31.68        0     24.39   355.1      .00      .00   1486.
   10    9.60    31.79       10     24.54   340.4      .35      .02   1485.
   20    9.50    31.80       20     24.56   338.5      .69      .07   1485.
   30    9.28    31.84       30     24.63   332.5     1.03      .15   1484.
   50    9.15    31.88       50     24.68   327.7     1.69      .42   1484.
   75    8.88    32.06       75     24.86   310.8     2.48      .93   1484.
  100    8.59    32.25       99     25.05   293.1     3.24     1.61   1483.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 93
52-24.0 N 130-56.3 W
MO.-5 DAY-13 PST-15.8

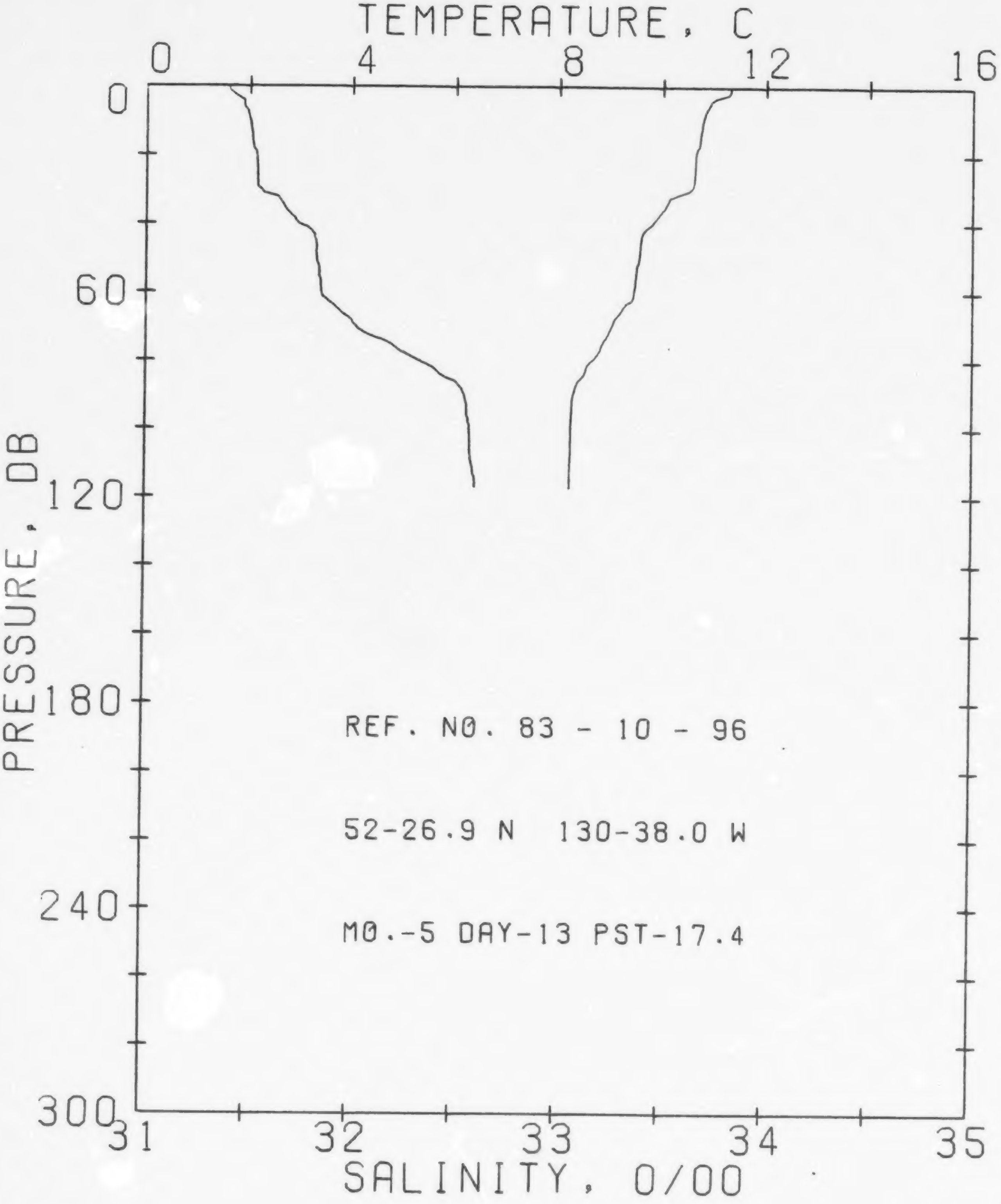
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 93          DATE 13/ 5/83
POSITION  52-24.0N, 130-56.3W          15.8       STATION M11
RESULTS OF STP CAST   117 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    11.26    31.37       0    23.93   398.5     .00     .00   1490.
  10    10.10    31.51      10    24.24   369.2     .39     .02   1486.
  20     9.66    31.68      20    24.45   349.7     .74     .07   1485.
  30     9.24    31.72      30    24.54   341.1    1.09     .16   1484.
  50     8.93    31.89      50    24.72   324.3    1.76     .43   1483.
  75     8.77    32.03      75    24.85   311.9    2.55     .94   1483.
 100     8.26    32.56      99    25.35   265.2    3.28    1.58   1482.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 83 - 10 - 95
52-25.5 N 130-46.8 W
MO.-5 DAY-13 PST-16.8
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 95          DATE 13/ 5/83
POSITION  52-25.5N, 130-46.8W          16.8       STATICN M10
RESULTS OF STP CAST   105 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    11.30    31.37      0    23.93   398.7     .00      .00   1490.
  10    10.93    31.38     10    24.00   392.3     .40      .02   1489.
  20    10.01    31.46     20    24.22   371.6     .78      .08   1486.
  30     9.30    31.66     30    24.49   346.1    1.14      .17   1484.
  50     8.74    32.05     50    24.88   309.0    1.79      .43   1483.
  75     8.58    32.28     75    25.08   290.3    2.54      .91   1483.
 100     8.06    32.69     99    25.48   252.7    3.22     1.52   1482.
```


TEMPERATURE, C
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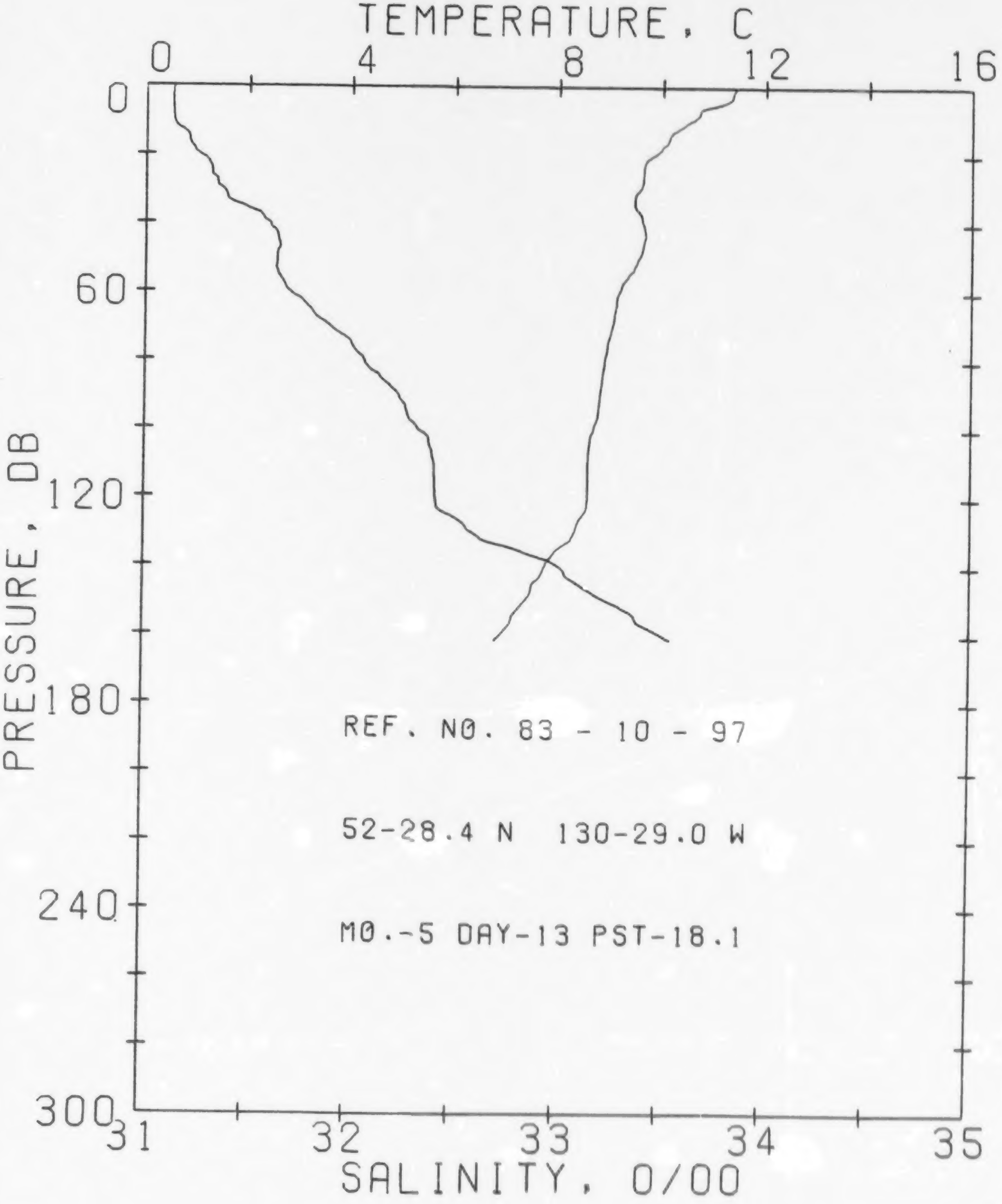
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 83 - 10 - 96
52-26.9 N 130-38.0 W
MO.-5 DAY-13 PST-17.4
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 96        DATE 13/ 5/83
POSITION  52-26.9N, 130-38.0W        17.4      STATION M 9
RESULTS OF STP CAST   118 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0    11.32    31.40       0    23.95   397.2     .00      .00  1491.
  10    10.76    31.50      10    24.12   380.5     .39      .02  1489.
  20    10.63    31.53      20    24.17   376.1     .77      .08  1489.
  30    10.52    31.56      30    24.21   372.8    1.14      .17  1488.
  50     9.55    31.83      50    24.58   338.0    1.84      .46  1485.
  75     8.83    32.19      75    24.97   300.6    2.65      .97  1484.
 100     8.23    32.57      99    25.36   264.3    3.34     1.58  1482.
```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0
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8
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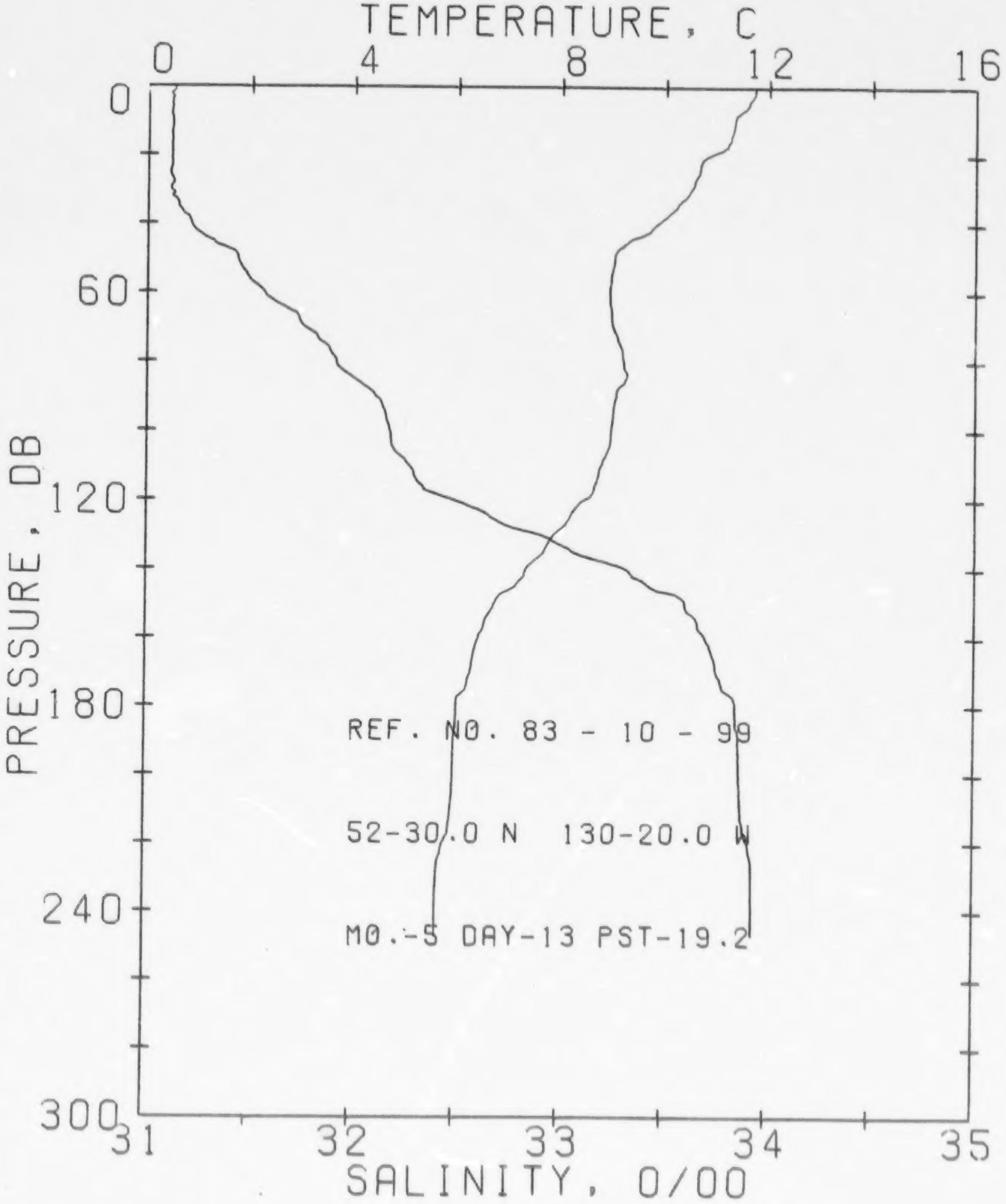
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 97
52-28.4 N 130-29.0 W
MO.-5 DAY-13 PST-18.1

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 97          DATE 13/ 5/83
POSITION  52-28.4N, 130-29.0W          18.1        STATION M 8
RESULTS OF STP CAST   162 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T                D      EN
   0    11.41   31.14       0    23.72  418.3     .00      .00  1491.
  10    10.49   31.14      10    23.88  403.2     .41      .02  1487.
  20     9.78   31.26      20    24.10  382.8     .80      .08  1485.
  30     9.54   31.38      30    24.23  370.7    1.18      .18  1485.
  50     9.53   31.63      50    24.43  352.0    1.90      .47  1485.
  75     8.94   32.00      75    24.81  316.2    2.74     1.00  1484.
 100     8.68   32.33      99    25.10  288.7    3.49     1.67  1484.
 125     8.46   32.49     124    25.26  273.7    4.20     2.48  1483.
 150     7.36   33.26     149    26.02  202.0    4.79     3.31  1481.
```


TEMPERATURE, C
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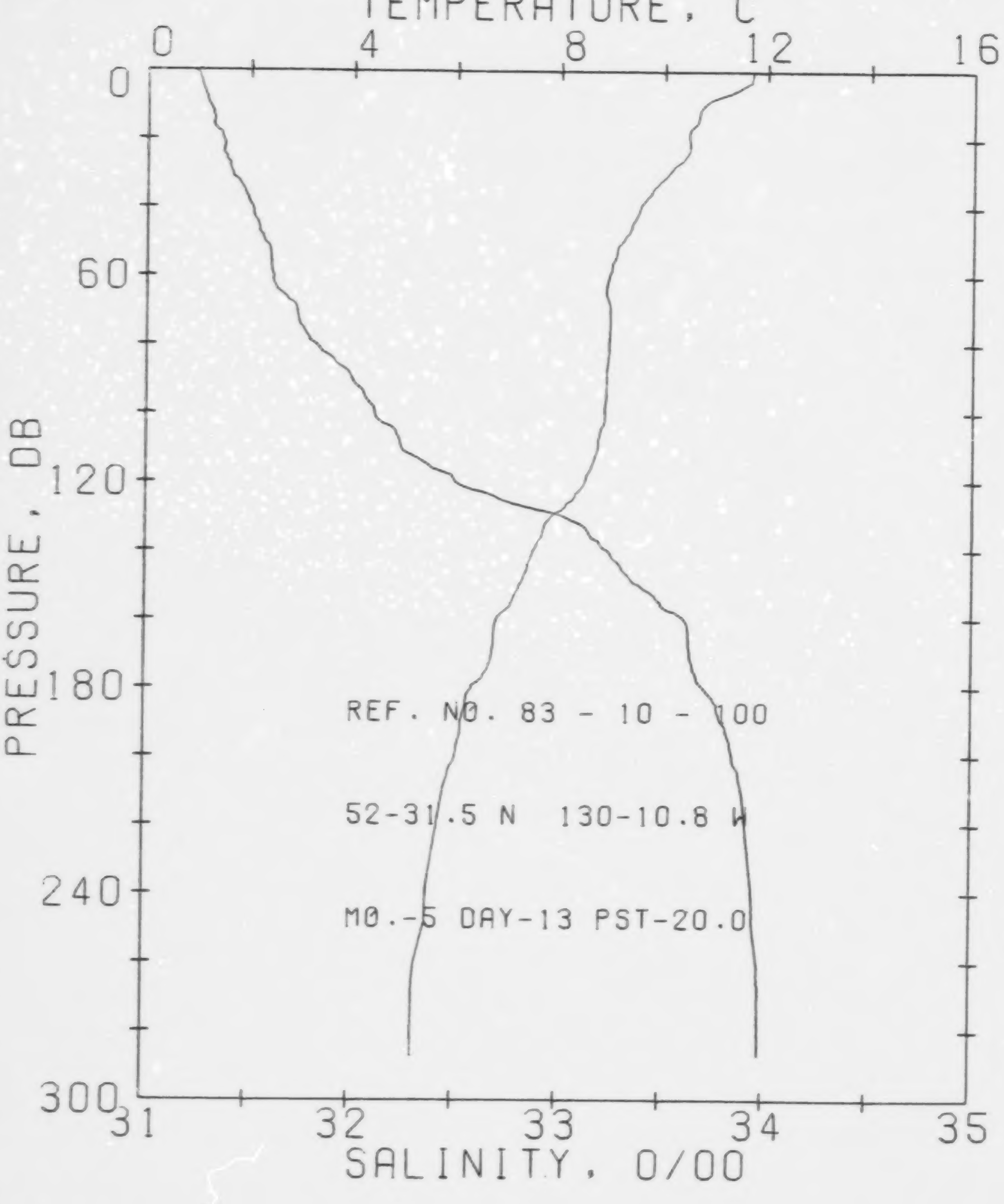
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 83 - 10 - 99
52-30.0 N 130-20.0 W
MO.-5 DAY-13 PST-19.2
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10- 99          DATE 13/ 5/83
POSITION  52-30.0N, 130-20.0W          19.2        STATION M 7
RESULTS OF STP CAST   248 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                    T               D        EN
   0    11.73    31.13       0    23.66   424.3     .00      .00   1492.
  10    11.33    31.12      10    23.72   418.4     .42      .02   1490.
  20    10.80    31.11      20    23.81   410.0     .84      .09   1489.
  30    10.49    31.11      30    23.86   405.5    1.25      .19   1488.
  50     9.02    31.44      50    24.35   358.9    2.02      .50   1483.
  75     9.13    31.87      75    24.67   328.9    2.88     1.05   1484.
 100     8.96    32.18      99    24.94   303.9    3.67     1.75   1485.
 125     8.18    32.67     124    25.44   256.5    4.39     2.57   1483.
 150     6.74    33.60     149    26.38   167.9    4.91     3.30   1479.
 175     6.20    33.79     174    26.59   147.6    5.30     3.95   1477.
 200     5.96    33.87     199    26.69   138.9    5.65     4.62   1477.
 225     5.69    33.93     224    26.77   131.4    5.99     5.36   1476.
 250     5.64    33.94     248    26.78   130.5    6.32     6.15   1476.
```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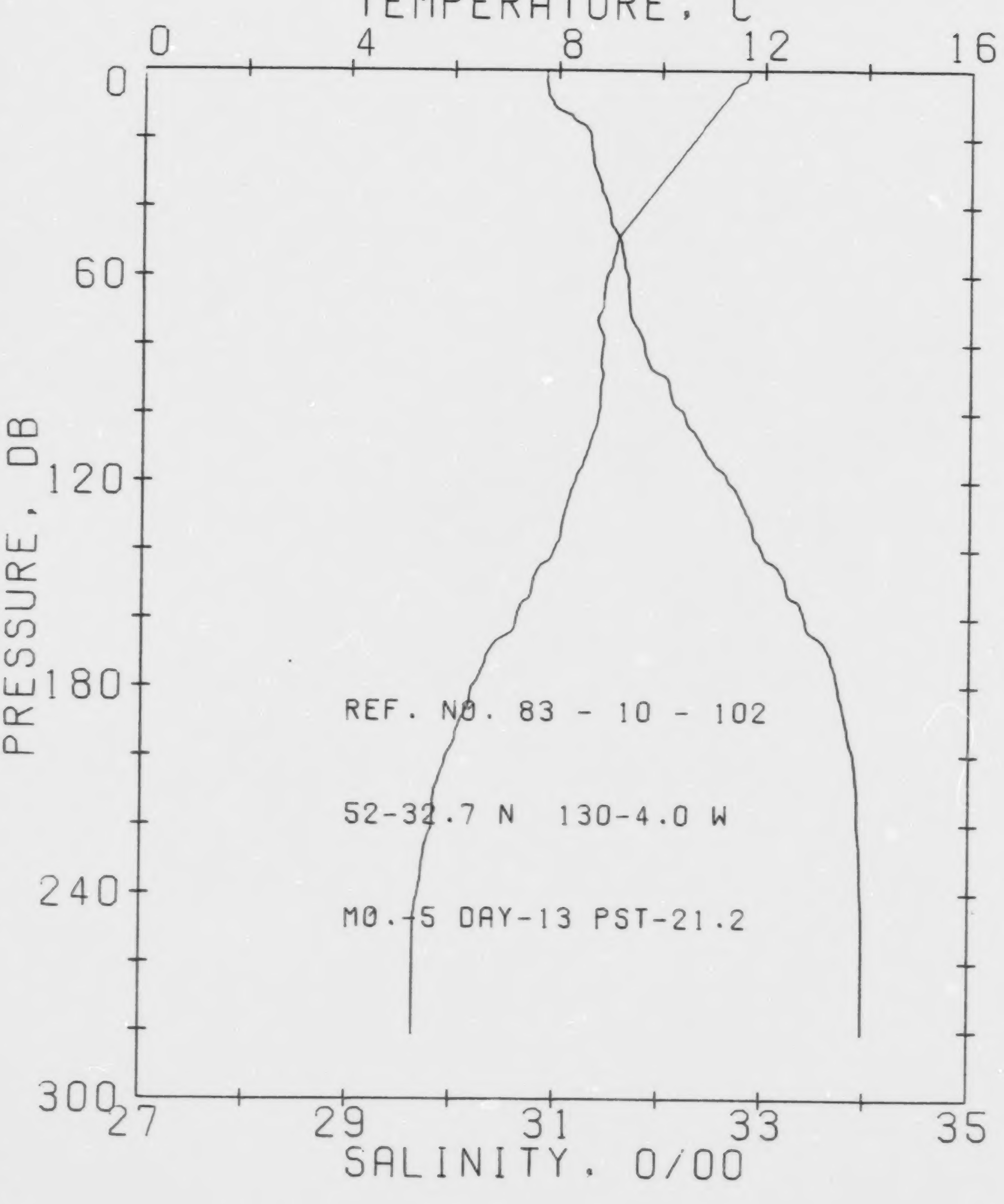
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 100
52-31.5 N 130-10.8 W
MO.-5 DAY-13 PST-20.0

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-100          DATE 13/ 5/83
POSITION  52-31.5N, 130-10.8W         20.0      STATION M 6
RESULTS OF STP CAST   253 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   11.73   31.23       0    23.74   416.6     .00      .00   1492.
   10   10.76   31.30      10    23.97   395.4     .41      .02   1489.
   20   10.48   31.37      20    24.06   386.1     .80      .08   1488.
   30   10.08   31.41      30    24.17   376.5    1.18      .18   1487.
   50    9.19   31.57      50    24.43   351.5    1.91      .47   1484.
   75    8.97   31.76      75    24.61   334.7    2.76     1.02   1484.
  100    8.88   32.11      99    24.90   307.7    3.56     1.73   1484.
  125    8.27   32.72     124    25.47   254.0    4.28     2.55   1483.
  150    7.25   33.39     149    26.14   190.2    4.81     3.29   1480.
  175    6.63   33.66     174    26.43   162.8    5.24     4.00   1479.
  200    6.05   33.85     199    26.66   141.4    5.61     4.71   1477.
  225    5.65   33.93     224    26.77   131.2    5.95     5.44   1476.
  250    5.46   33.96     248    26.82   126.9    6.27     6.22   1476.
```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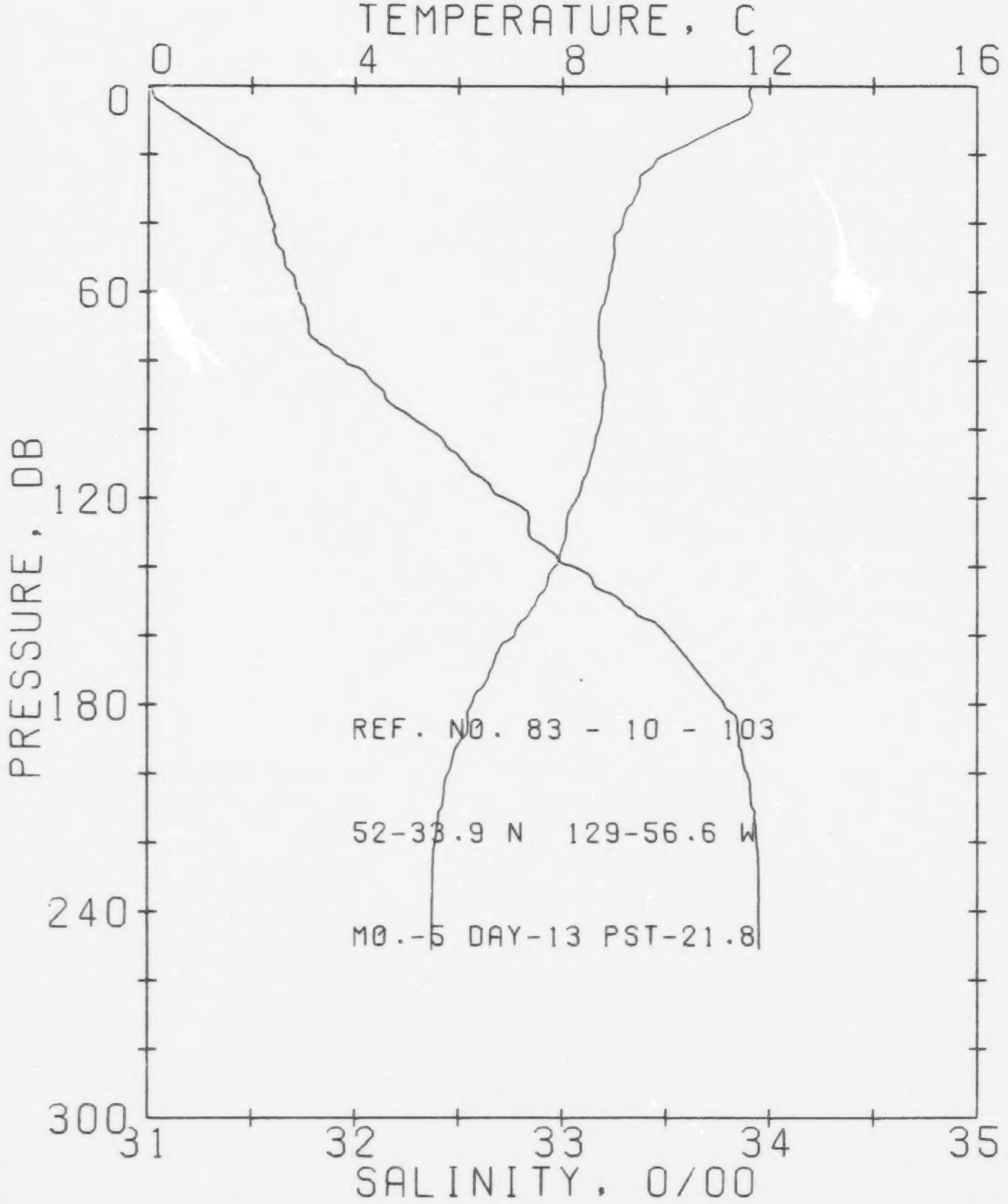
8
12
16
0
60
120
180
240
300
PRESSURE, DB
27
29
31
33
35
SALINITY, 0/00
REF. NO. 83 - 10 - 102
52-32.7 N 130-4.0 W
MO.-5 DAY-13 PST-21.2

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-102        DATE 13/ 5/83
POSITION  52-32.7N, 130- 4.0W        21.2       STATION M 5
RESULTS OF STP CAST   282 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS   TEMP     SAL    DEPTH   SIGMA    SVA    DELTA    POT.   SOUND
                                  T                D      EN
   0   11.69   30.89       0    23.48   441.5     .00     .00  1491.
  10   11.17   30.96      10    23.63   427.5     .44     .02  1490.
  20   10.67   31.31      20    23.99   393.3     .84     .08  1488.
  30   10.15   31.38      30    24.13   379.6    1.23     .18  1487.
  50    9.15   31.62      50    24.47   347.5    1.96     .48  1484.
  75    8.81   31.78      75    24.65   331.1    2.81    1.02  1483.
 100    8.80   32.24      99    25.01   297.3    3.60    1.72  1484.
 125    8.23   32.78     124    25.52   249.2    4.29    2.51  1483.
 150    7.55   33.22     149    25.97   207.1    4.87    3.32  1481.
 175    6.57   33.70     174    26.47   158.9    5.32    4.07  1479.
 200    5.89   33.89     199    26.71   136.7    5.69    4.78  1476.
 225    5.52   33.94     224    26.80   128.3    6.03    5.49  1475.
 250    5.28   33.97     248    26.85   123.5    6.34    6.25  1475.
```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8
12
16
PRESSURE, DB
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60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 103
52-33.9 N 129-56.6 W
MO.-5 DAY-13 PST-21.8

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-103        DATE 13/ 5/83
POSITION  52-33.9N, 129-56.6W        21.8      STATION M 4
RESULTS OF STP CAST   252 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA    POT.    SOUND
                                    T                D       EN
    0   11.65   31.01        0    23.58   431.9     .00      .00   1491.
   10   11.32   31.19       10    23.78   412.7     .43      .02   1490.
   20    9.96   31.44       20    24.21   372.6     .82      .08   1486.
   30    9.47   31.55       30    24.37   356.9    1.18      .17   1485.
   50    8.99   31.66       50    24.53   342.2    1.88      .46   1483.
   75    8.69   31.83       75    24.71   325.4    2.71      .99   1483.
  100    8.69   32.36       99    25.12   286.5    3.48     1.67   1484.
  125    8.10   32.84      124    25.59   242.9    4.14     2.43   1483.
  150    7.49   33.28      149    26.02   201.6    4.71     3.22   1481.
  175    6.46   33.71      174    26.50   156.4    5.15     3.95   1478.
  200    5.80   33.89      199    26.73   135.2    5.51     4.64   1476.
  225    5.51   33.94      224    26.80   128.1    5.84     5.34   1475.
  250    5.48   33.95      248    26.81   127.7    6.16     6.12   1476.
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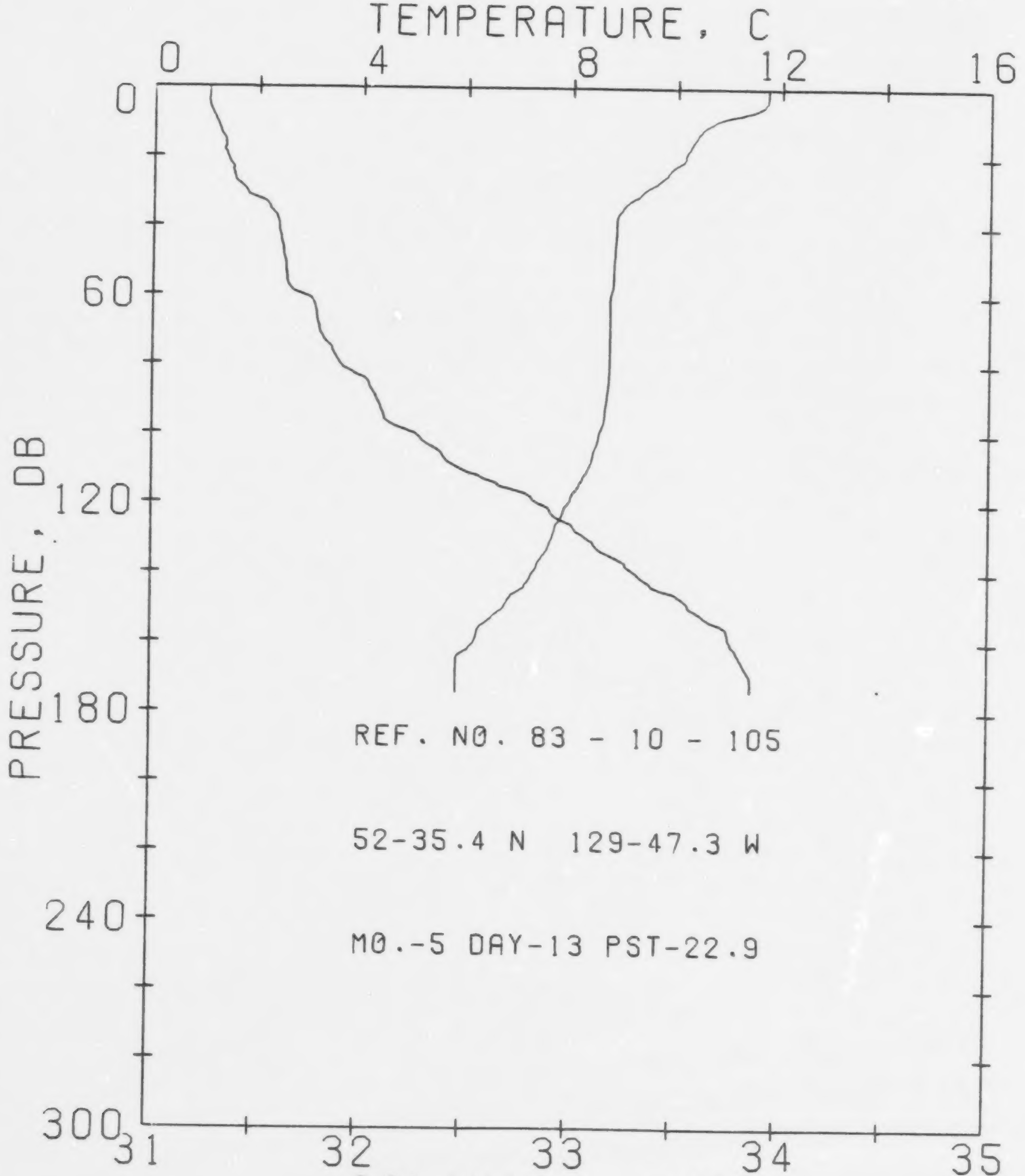
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16
PRESSURE, DB
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180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 105
52-35.4 N 129-47.3 W
MO.-5 DAY-13 PST-22.9

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-105          DATE 13/ 5/83
POSITION  52-35.4N, 129-47.3W         22.9       STATION M 3
RESULTS OF STP CAST   175 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH     SIGMA     SVA    DELTA     POT.    SOUND
                                      T                D        EN
    0   11.74    31.26        0     23.76   414.5      .00      .00   1492.
   10   10.67    31.30       10     23.98   394.0      .41      .02   1488.
   20   10.16    31.35       20     24.11   382.1      .80      .08   1487.
   30    9.34    31.45       30     24.31   362.5     1.17      .17   1484.
   50    8.80    31.63       50     24.54   341.2     1.86      .46   1482.
   75    8.73    31.86       75     24.73   323.7     2.69      .99   1483.
  100    8.54    32.26       99     25.07   291.3     3.47     1.68   1483.
  125    7.79    32.96      124     25.73   229.1     4.12     2.42   1481.
  150    6.75    33.57      149     26.35   170.5     4.63     3.12   1479.
  175    5.85    33.87      174     26.70   137.1     5.01     3.76   1476.
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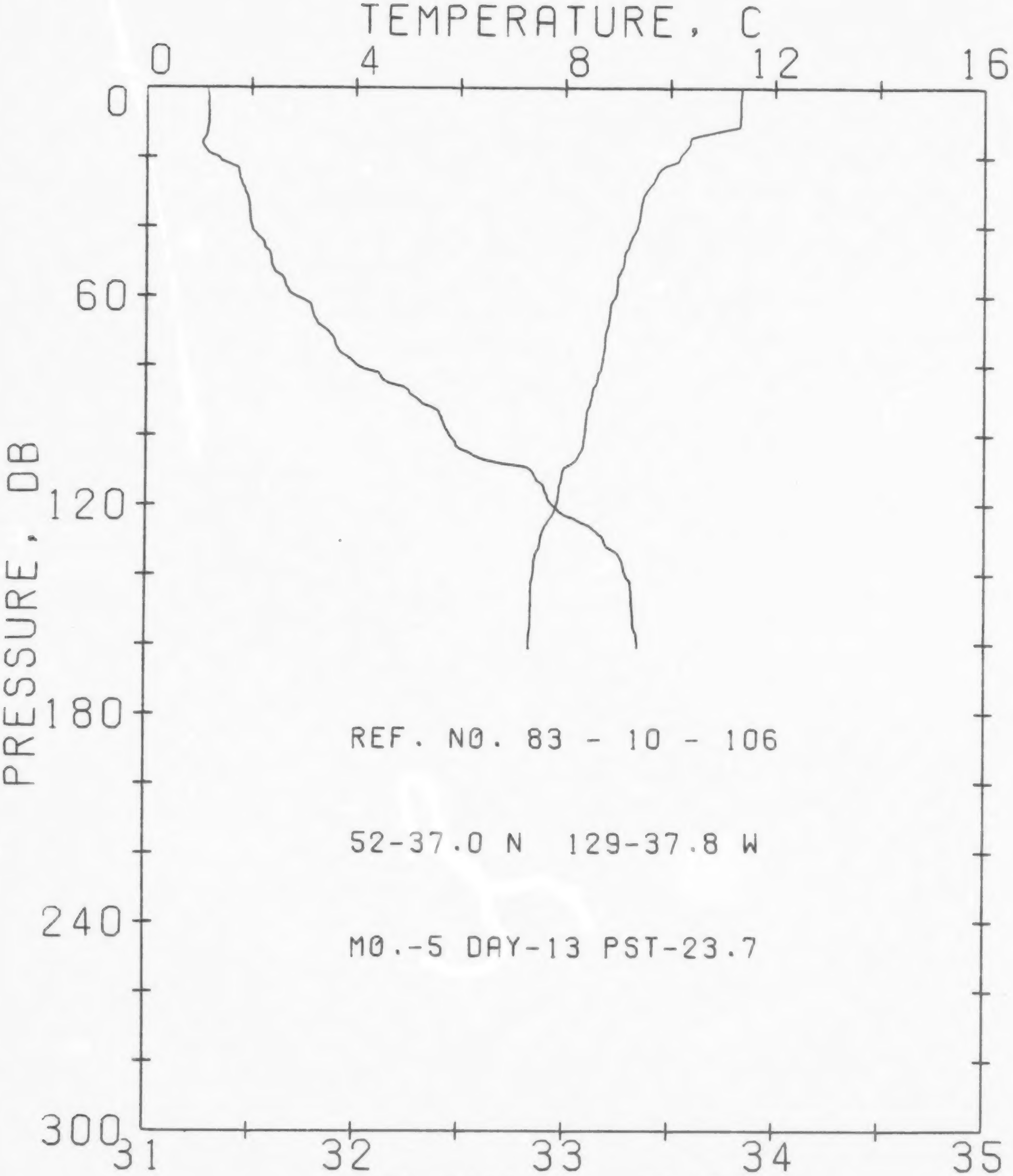
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PRESSURE, DB
REF. NO. 83 - 10 - 106
52-37.0 N 129-37.8 W
MO.-5 DAY-13 PST-23.7
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-106          DATE 13/ 5/83
POSITION  52-37.0N, 129-37.8W          23.7        STATION M 2
RESULTS OF STP CAST   162 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL     DEPTH     SIGMA     SVA     DELTA     POT.    SOUND
                                       T                 D        EN
    0   11.37    31.29        0     23.85    406.1      .00      .00   1491.
   10   11.34    31.30       10     23.86    405.3      .41      .02   1491.
   20   10.19    31.35       20     24.10    382.9      .80      .08   1487.
   30    9.54    31.47       30     24.30    363.7     1.17      .17   1485.
   50    9.13    31.60       50     24.46    348.7     1.88      .47   1484.
   75    8.76    31.92       75     24.77    319.9     2.72      .99   1483.
  100    8.38    32.45       99     25.24    275.2     3.45     1.65   1483.
  125    7.67    33.08      124     25.84    219.0     4.07     2.35   1481.
  150    7.35    33.32      149     26.07    196.9     4.57     3.06   1481.
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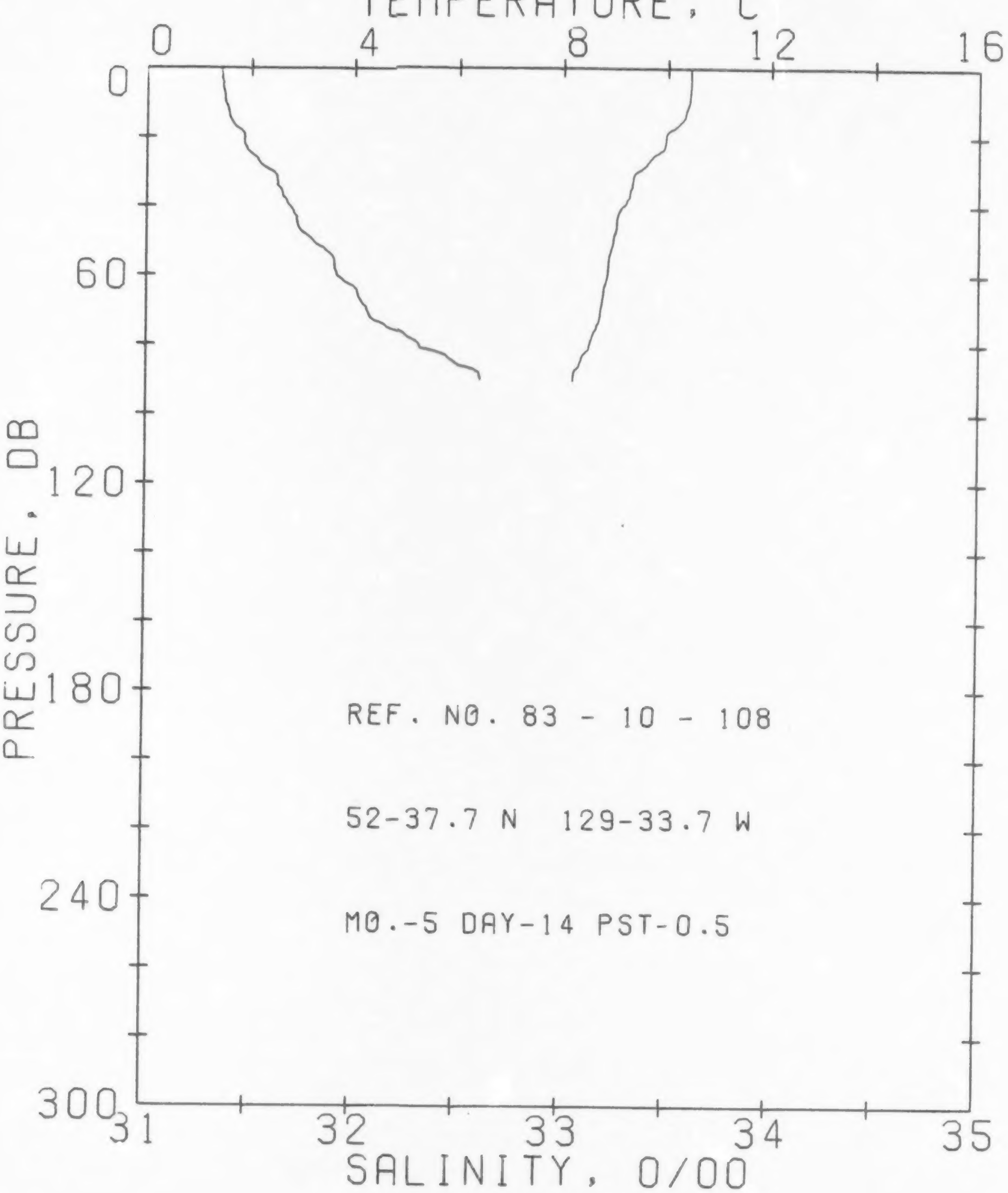
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PRESSURE, DB
REF. NO. 83 - 10 - 108
52-37.7 N 129-33.7 W
MO.-5 DAY-14 PST-0.5
31
32
33
34
35
SALINITY, O/OO

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-108        DATE 14/ 5/83
POSITION  52-37.7N, 129-33.7W          .5       STATION M 1
RESULTS OF STP CAST    91 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                    T                D       EN
   0    10.44    31.35       0    24.06   386.1     .00      .00   1487.
  10    10.42    31.38      10    24.08   384.1     .39      .02   1487.
  20     9.97    31.47      20    24.23   370.3     .76      .08   1486.
  30     9.38    31.61      30    24.43   351.0    1.13      .17   1484.
  50     8.96    31.80      50    24.65   330.8    1.81      .45   1483.
  75     8.64    32.16      75    24.98   299.8    2.60      .95   1483.
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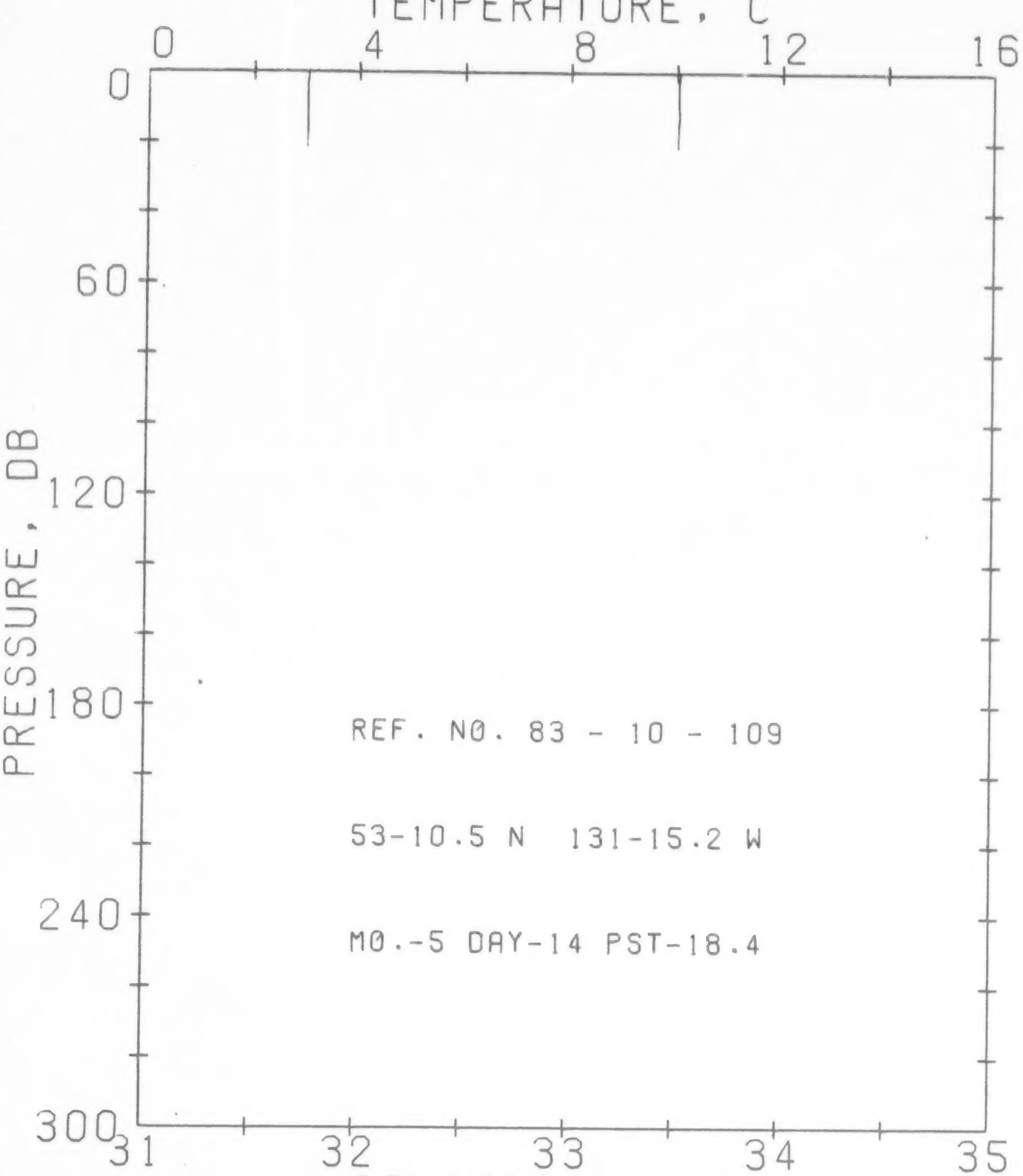
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PRESSURE, DB
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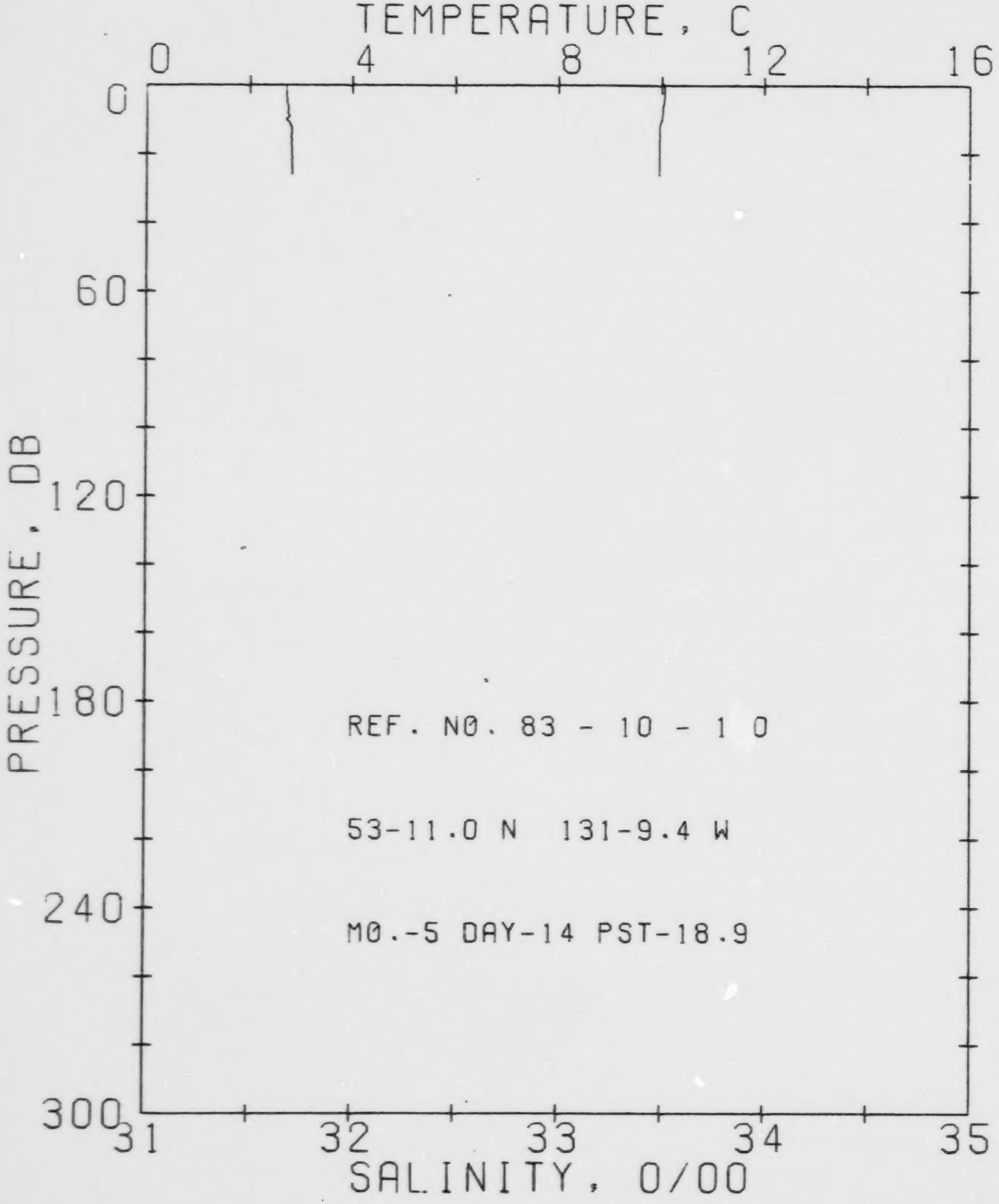
120
180
240
300
REF. NO. 83 - 10 - 109
53-10.5 N 131-15.2 W
MO.-5 DAY-14 PST-18.4
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-109         DATE 14/ 5/83
POSITION  53-10.5N, 131-15.2W        18.4       STATION W13
RESULTS OF STP CAST    22 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0    10.06    31.76      0    24.44   350.1     .00      .00  1486.
  10    10.04    31.75     10    24.44   350.3     .35      .02  1487.
  20    10.03    31.75     20    24.44   350.3     .70      .07  1487.

PRES  DEPTH       TEMP     SAL       PRES  DEPTH        TEMP     SAL

  0.              10.06   31.76       11.               10.05   31.75
  1.              10.05   31.76       12.               10.05   31.75
  2.              10.04   31.76       13.               10.05   31.75
  3.              10.04   31.75       14.               10.05   31.75
  4.              10.03   31.75       15.               10.03   31.76
  5.              10.03   31.75       16.               10.03   31.75
  6.              10.03   31.75       17.               10.04   31.76
  7.              10.03   31.75       18.               10.03   31.75
  8.              10.03   31.75       19.               10.03   31.75
  9.              10.03   31.75       20.               10.03   31.75
 10.              10.04   31.75       21.               10.03   31.75
```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0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 1 0
53-11.0 N 131-9.4 W
MO.-5 DAY-14 PST-18.9

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-110          DATE 14/ 5/83
POSITION  53-11.0N, 131- 9.4W          18.9       STATION W12
RESULTS OF STP CAST    27 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP      SAL     DEPTH     SIGMA     SVA     DELTA     POT.    SOUND
                                       T                 D        EN
   0    10.06    31.68        0     24.38    356.0      .00       .00   1486.
  10    10.00    31.67       10     24.38    355.6      .36       .02   1486.
  20     9.96    31.70       20     24.41    352.9      .71       .07   1486.


PRES  DEPTH       TEMP      SAL        PRES  DEPTH       TEMP      SAL

  0.             10.06    31.68         14.              9.96    31.70
  1.             10.06    31.68         15.              9.96    31.70
  2.             10.05    31.68         16.              9.95    31.71
  3.             10.06    31.68         17.              9.96    31.70
  4.             10.05    31.68         18.              9.95    31.70
  5.             10.05    31.68         19.              9.96    31.70
  6.             10.02    31.69         20.              9.96    31.70
  7.             10.02    31.69         21.              9.95    31.71
  8.             10.02    31.68         22.              9.95    31.71
  9.             10.01    31.69         23.              9.95    31.70
 10.             10.00    31.67         24.              9.95    31.71
 11.              9.97    31.70         25.              9.95    31.71
 12.              9.96    31.70         26.              9.95    31.70
 13.              9.95    31.71
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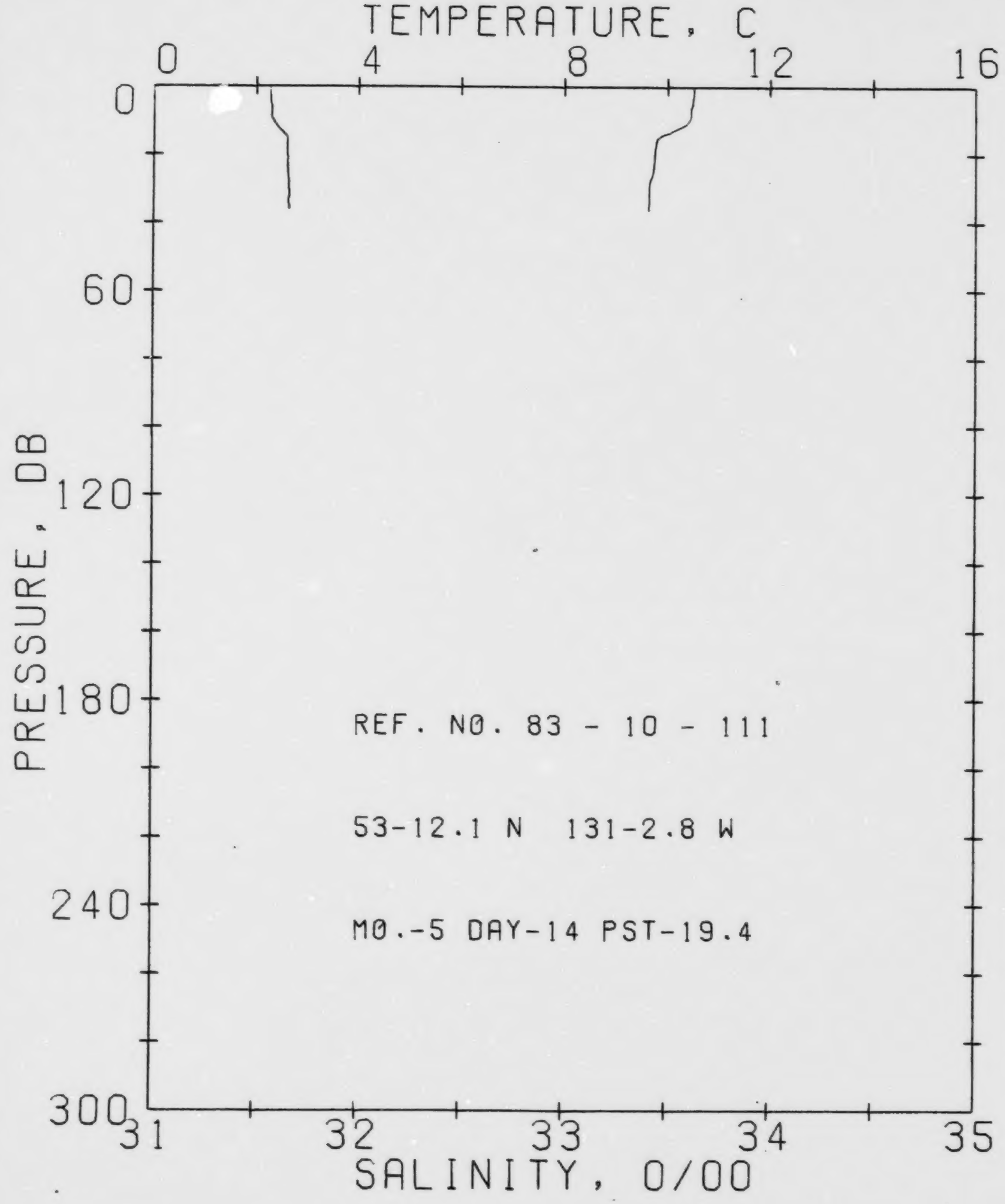
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8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 111
53-12.1 N 131-2.8 W
MO.-5 DAY-14 PST-19.4

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-111          DATE 14/ 5/83
POSITION   53-12.1N, 131- 2.8W          19.4       STATION W11
RESULTS OF STP CAST     37 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA     SVA    DELTA    POT.    SOUND
                                   T                 D      EN
    0   10.53   31.57       0    24.21   371.6      .00      .00   1488.
   10   10.42   31.58      10    24.24   368.9      .37      .02   1488.
   20    9.76   31.65      20    24.41   353.6      .73      .07   1486.
   30    9.65   31.66      30    24.43   351.7     1.08      .16   1485.

PRES  DEPTH       TEMP     SAL        PRES  DEPTH       TEMP     SAL

  0.             10.53   31.57         19.              9.76   31.65
  1.             10.53   31.57         20.              9.76   31.65
  2.             10.52   31.57         21.              9.75   31.65
  3.             10.51   31.57         22.              9.75   31.65
  4.             10.50   31.57         23.              9.74   31.65
  5.             10.49   31.57         24.              9.74   31.65
  6.             10.46   31.58         25.              9.73   31.65
  7.             10.46   31.58         26.              9.71   31.66
  8.             10.47   31.57         27.              9.68   31.66
  9.             10.46   31.57         28.              9.66   31.66
 10.             10.42   31.58         29.              9.65   31.66
 11.             10.35   31.60         30.              9.65   31.66
 12.             10.20   31.61         31.              9.64   31.66
 13.             10.08   31.62         32.              9.65   31.66
 14.              9.90   31.64         33.              9.65   31.65
 15.              9.80   31.66         34.              9.65   31.65
 16.              9.79   31.65         35.              9.64   31.66
 17.              9.78   31.65         36.              9.64   31.66
 18.              9.77   31.65
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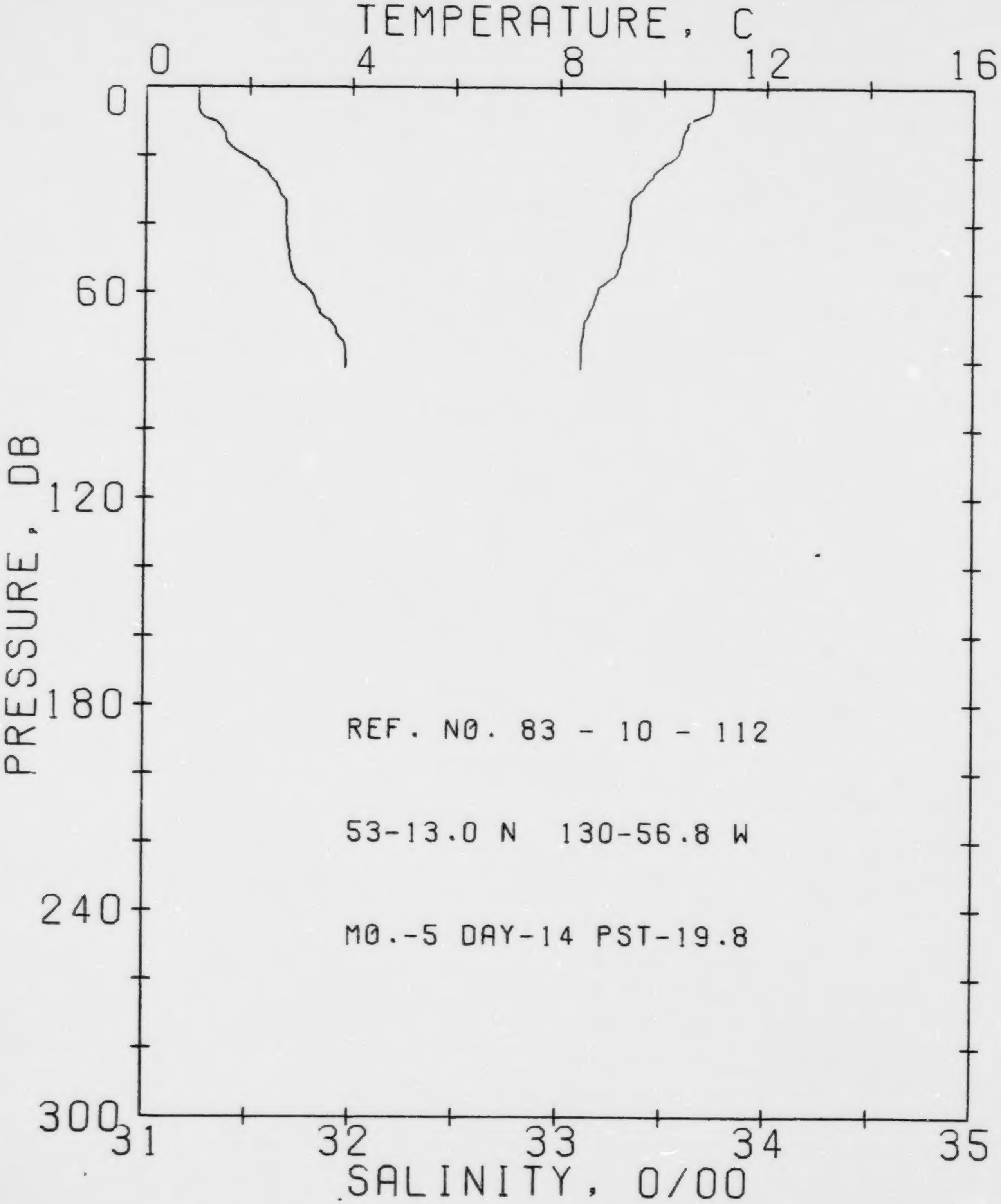

REF. NO. 83 - 10 - 112

53-13.0 N 130-56.8 W

MO.-5 DAY-14 PST-19.8

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-112        DATE 14/ 5/83
POSITION  53-13.0N, 130-56.8W        19.8      STATION W10
RESULTS OF STP CAST    83 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D       EN
   0    10.96    31.25       0    23.89  402.0      .00      .00  1489.
  10    10.47    31.34      10    24.05  387.6      .40      .02  1488.
  20    10.25    31.48      20    24.19  373.8      .78      .08  1487.
  30     9.55    31.65      30    24.44  350.9     1.14      .17  1485.
  50     9.18    31.69      50    24.53  342.2     1.83      .45  1484.
  75     8.41    31.96      75    24.86  311.4     2.65      .97  1482.
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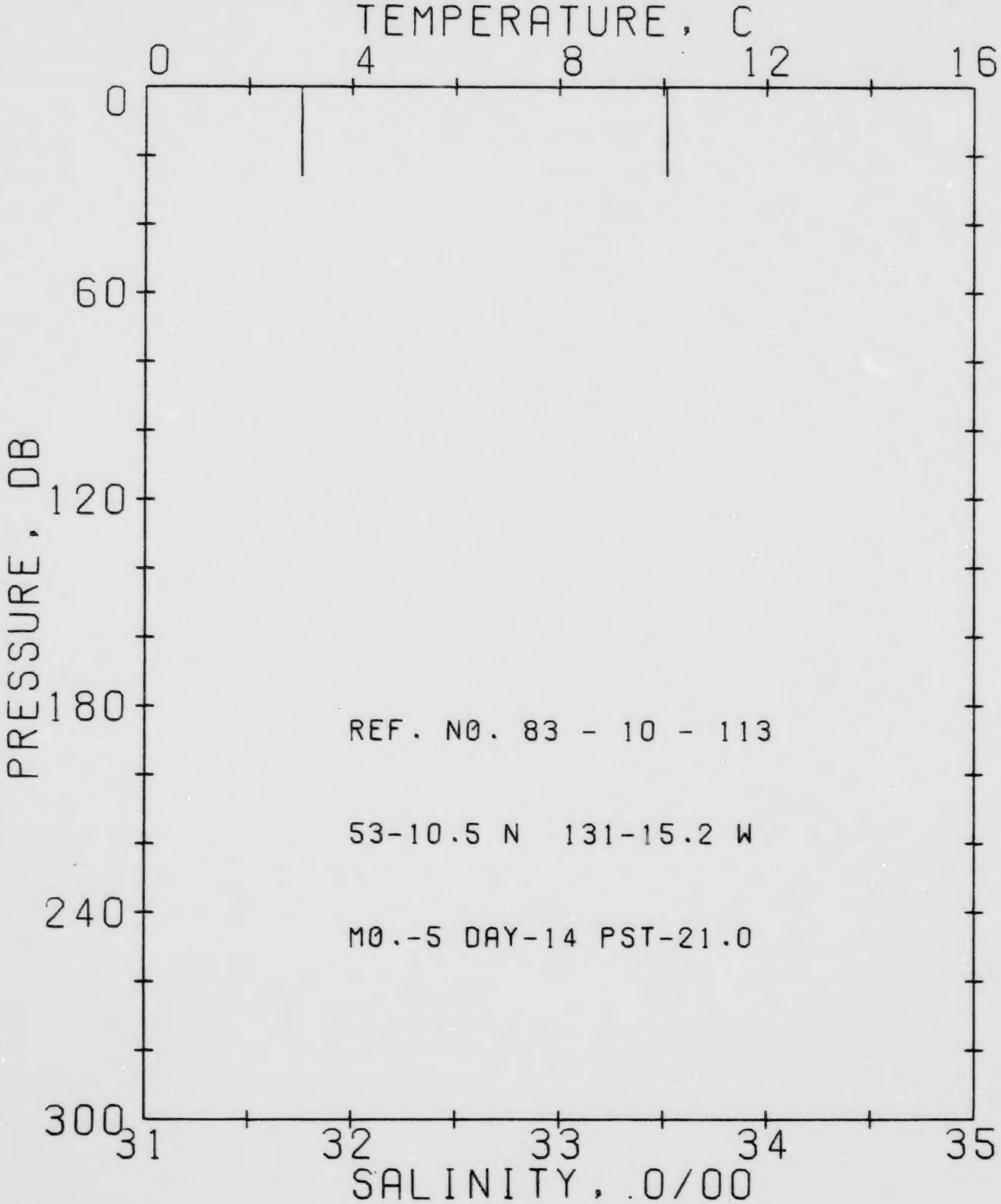
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PRESSURE, DB
REF. NO. 83 - 10 - 113
53-10.5 N 131-15.2 W
MO.-5 DAY-14 PST-21.0
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-113        DATE 14/ 5/83
POSITION  53-10.5N, 131-15.2W       21.0      STATION W13
RESULTS OF STP CAST    27 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T               D       EN
   0    10.07    31.76      0    24.43  350.5     .00      .00  1486.
  10    10.07    31.76     10    24.44  350.6     .35      .02  1487.
  20    10.08    31.75     20    24.43  351.0     .70      .07  1487.

PRES  DEPTH       TEMP     SAL        PRES  DEPTH       TEMP     SAL

  0.             10.07   31.76         14.             10.07   31.76
  1.             10.07   31.76         15.             10.07   31.76
  2.             10.07   31.76         16.             10.07   31.76
  3.             10.06   31.76         17.             10.07   31.76
  4.             10.07   31.75         18.             10.07   31.76
  5.             10.07   31.76         19.             10.07   31.76
  6.             10.07   31.76         20.             10.08   31.75
  7.             10.07   31.76         21.             10.07   31.76
  8.             10.07   31.76         22.             10.07   31.76
  9.             10.07   31.76         23.             10.07   31.75
 10.             10.07   31.76         24.             10.07   31.76
 11.             10.07   31.76         25.             10.07   31.76
 12.             10.07   31.75         26.             10.07   31.76
 13.             10.07   31.76
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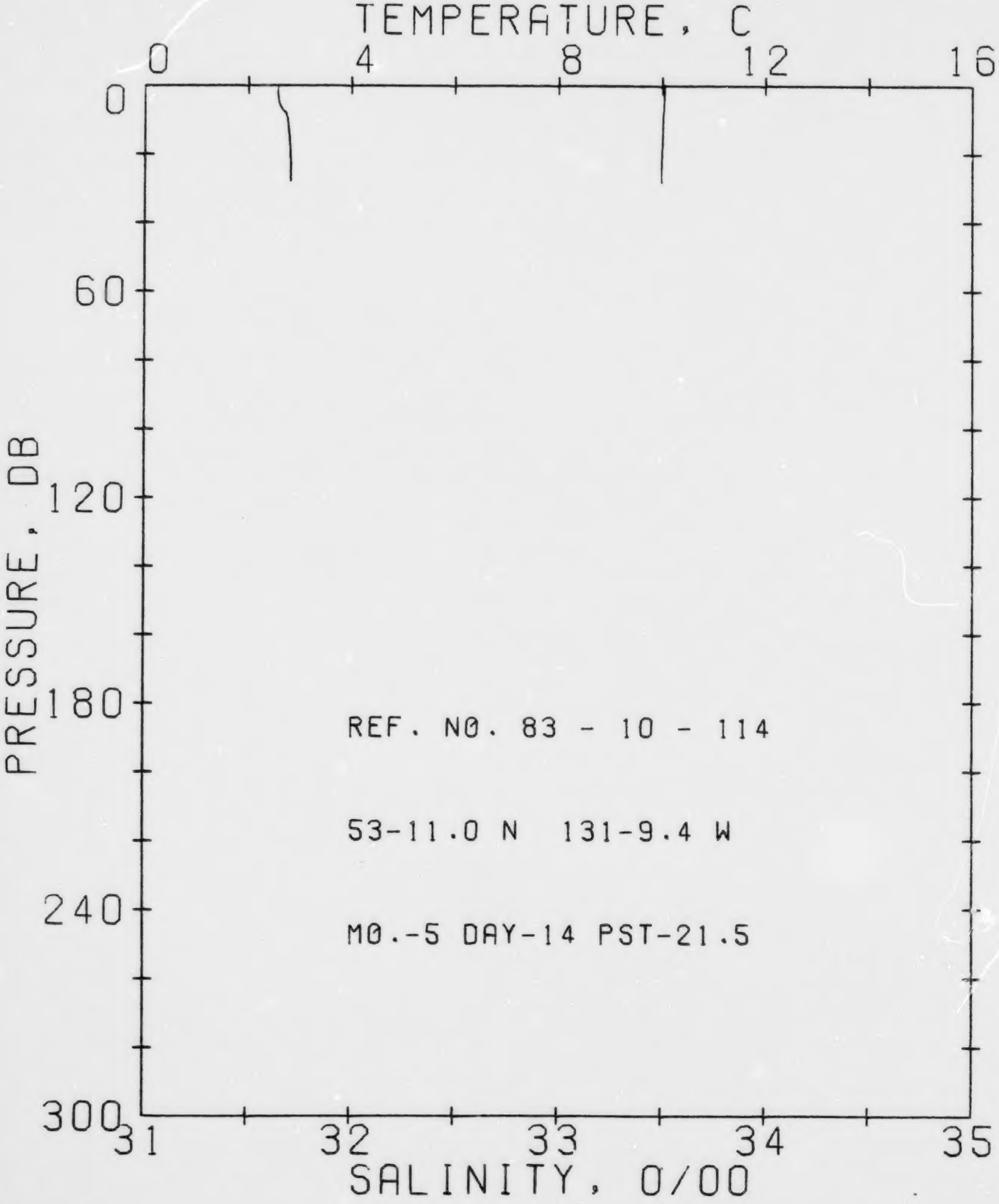
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180
240
300
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35
SALINITY, 0/00
REF. NO. 83 - 10 - 114
53-11.0 N 131-9.4 W
MO.-5 DAY-14 PST-21.5

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-114          DATE 14/ 5/83
POSITION  53-11.0N, 131- 9.4W         21.5       STATION W12
RESULTS OF STP CAST    29 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0   10.04    31.65        0    24.35  358.2     .00      .00  1486.
  10   10.01    31.69       10    24.40  354.4     .36      .02  1486.
  20   10.00    31.70       20    24.41  353.5     .71      .07  1486.

PRES  DEPTH      TEMP     SAL        PRES  DEPTH       TEMP     SAL

  0.             10.04   31.65        15.              10.01   31.70
  1.             10.05   31.64        16.              10.01   31.70
  2.             10.04   31.64        17.              10.00   31.70
  3.             10.04   31.65        18.              10.00   31.70
  4.             10.04   31.65        19.              10.00   31.70
  5.             10.04   31.65        20.              10.00   31.70
  6.             10.04   31.66        21.               9.99   31.71
  7.             10.03   31.67        22.               9.99   31.71
  8.             10.02   31.68        23.               9.99   31.71
  9.             10.02   31.69        24.               9.99   31.71
 10.             10.01   31.69        25.               9.99   31.71
 11.             10.01   31.69        26.               9.99   31.71
 12.             10.01   31.70        27.               9.99   31.71
 13.             10.01   31.70        28.               9.99   31.71
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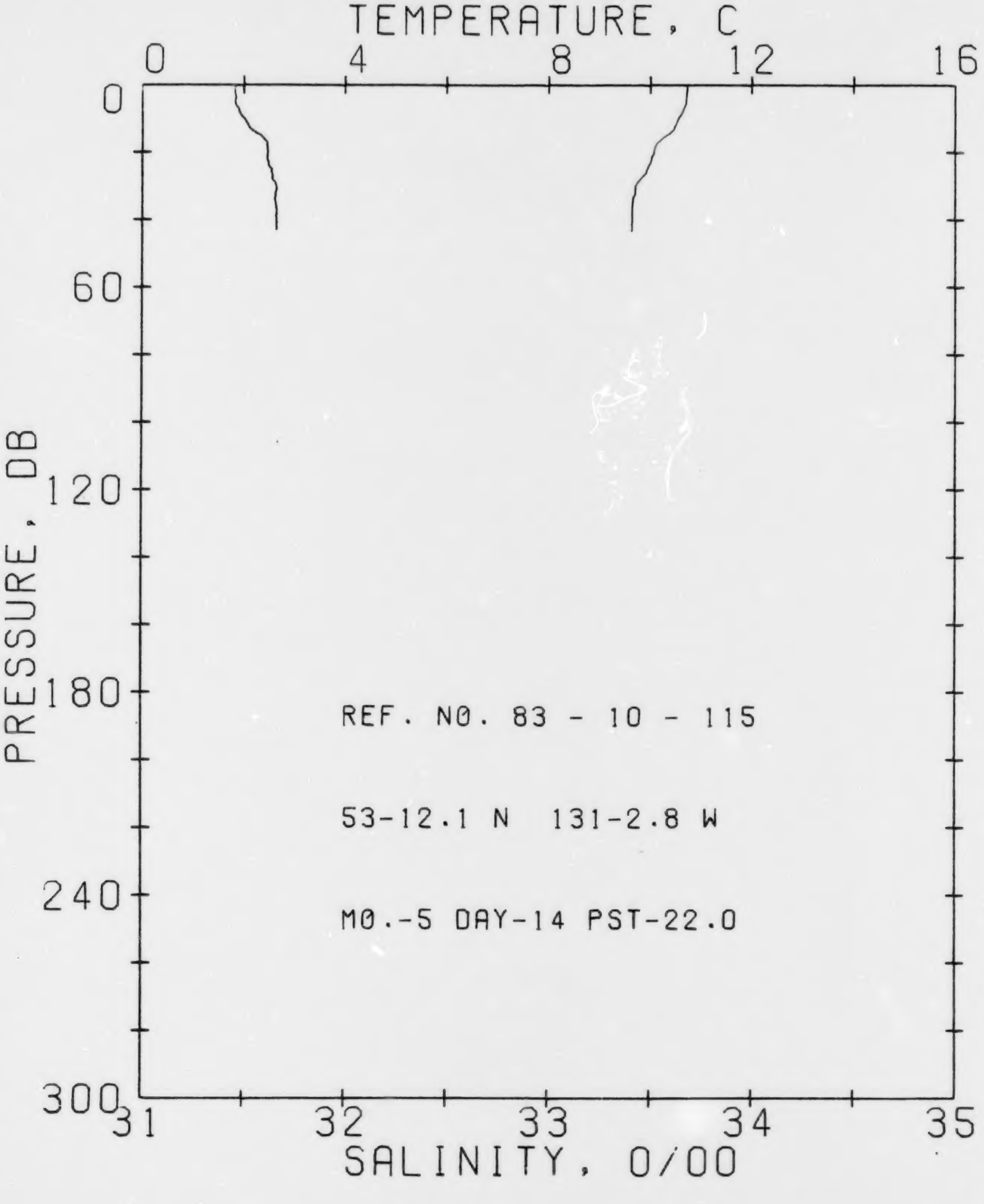
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PRESSURE, DB
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35
SALINITY, 0/00
REF. NO. 83 - 10 - 115
53-12.1 N 131-2.8 W
MO.-5 DAY-14 PST-22.0

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-115        DATE 14/ 5/83
POSITION  53-12.1N, 131- 2.8W        22.0      STATION W11
RESULTS OF STP CAST    44 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D       EN
   0    10.74    31.46       0    24.10  382.8      .00      .00  1489.
  10    10.55    31.51      10    24.16  376.8      .38      .02  1488.
  20    10.08    31.62      20    24.33  361.1      .75      .08  1487.
  30     9.71    31.66      30    24.42  352.2     1.11      .17  1486.

PRES  DEPTH       TEMP     SAL         PRES  DEPTH        TEMP     SAL

  0.             10.74   31.46          22.              10.03   31.61
  1.             10.74   31.45          23.              10.01   31.62
  2.             10.73   31.46          24.               9.96   31.62
  3.             10.72   31.46          25.               9.94   31.64
  4.             10.71   31.46          26.               9.93   31.64
  5.             10.71   31.46          27.               9.84   31.64
  6.             10.69   31.46          28.               9.79   31.64
  7.             10.66   31.48          29.               9.74   31.66
  8.             10.64   31.48          30.               9.71   31.66
  9.             10.59   31.49          31.               9.71   31.66
 10.             10.55   31.51          32.               9.71   31.65
 11.             10.53   31.51          33.               9.67   31.65
 12.             10.49   31.52          34.               9.67   31.65
 13.             10.47   31.53          35.               9.66   31.66
 14.             10.41   31.56          36.               9.65   31.66
 15.             10.30   31.59          37.               9.64   31.66
 16.             10.22   31.60          38.               9.64   31.66
 17.             10.15   31.62          39.               9.65   31.66
 18.             10.11   31.62          40.               9.64   31.66
 19.             10.08   31.62          41.               9.64   31.66
 20.             10.08   31.62          42.               9.64   31.66
 21.             10.04   31.61          43.               9.64   31.66
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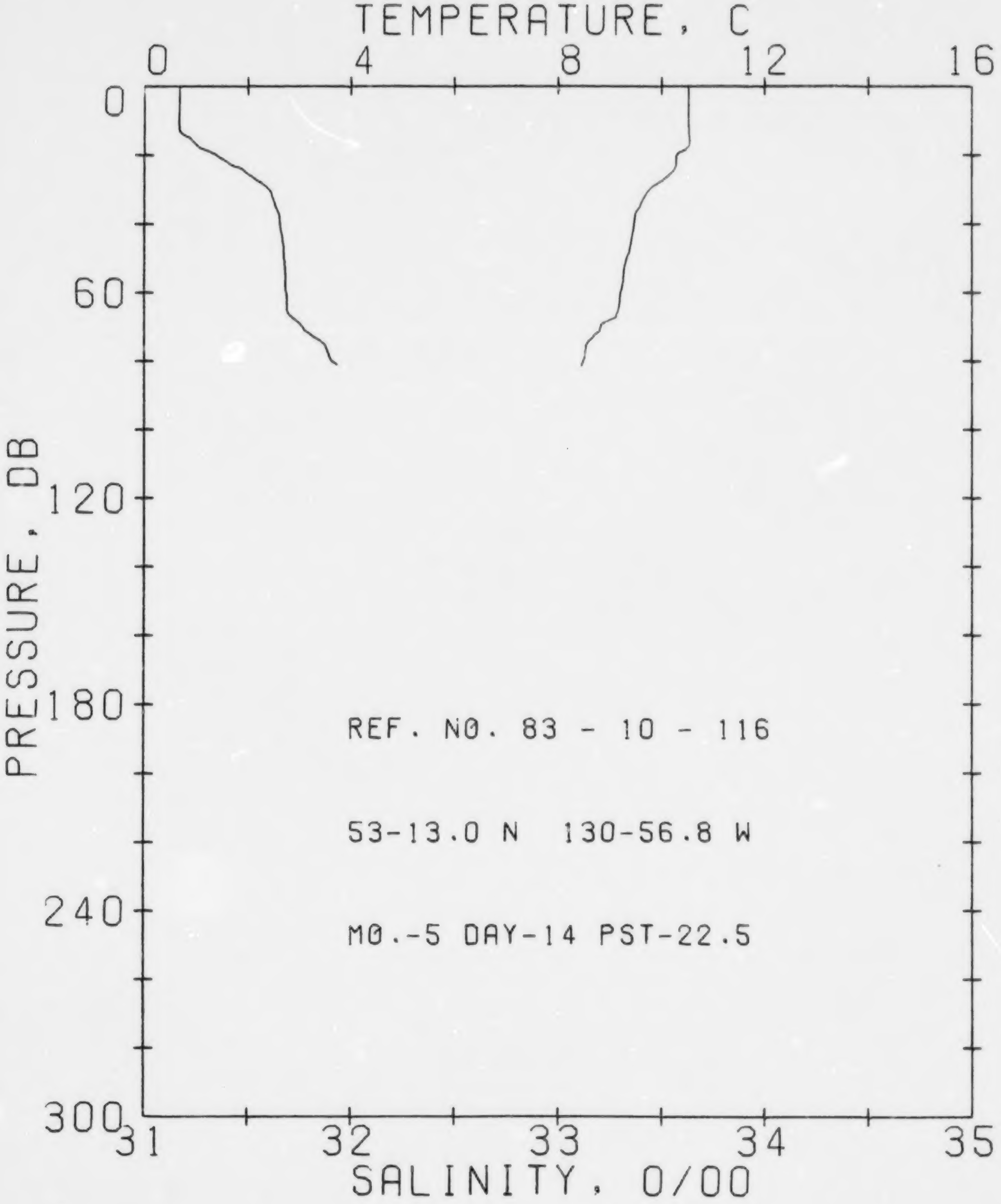
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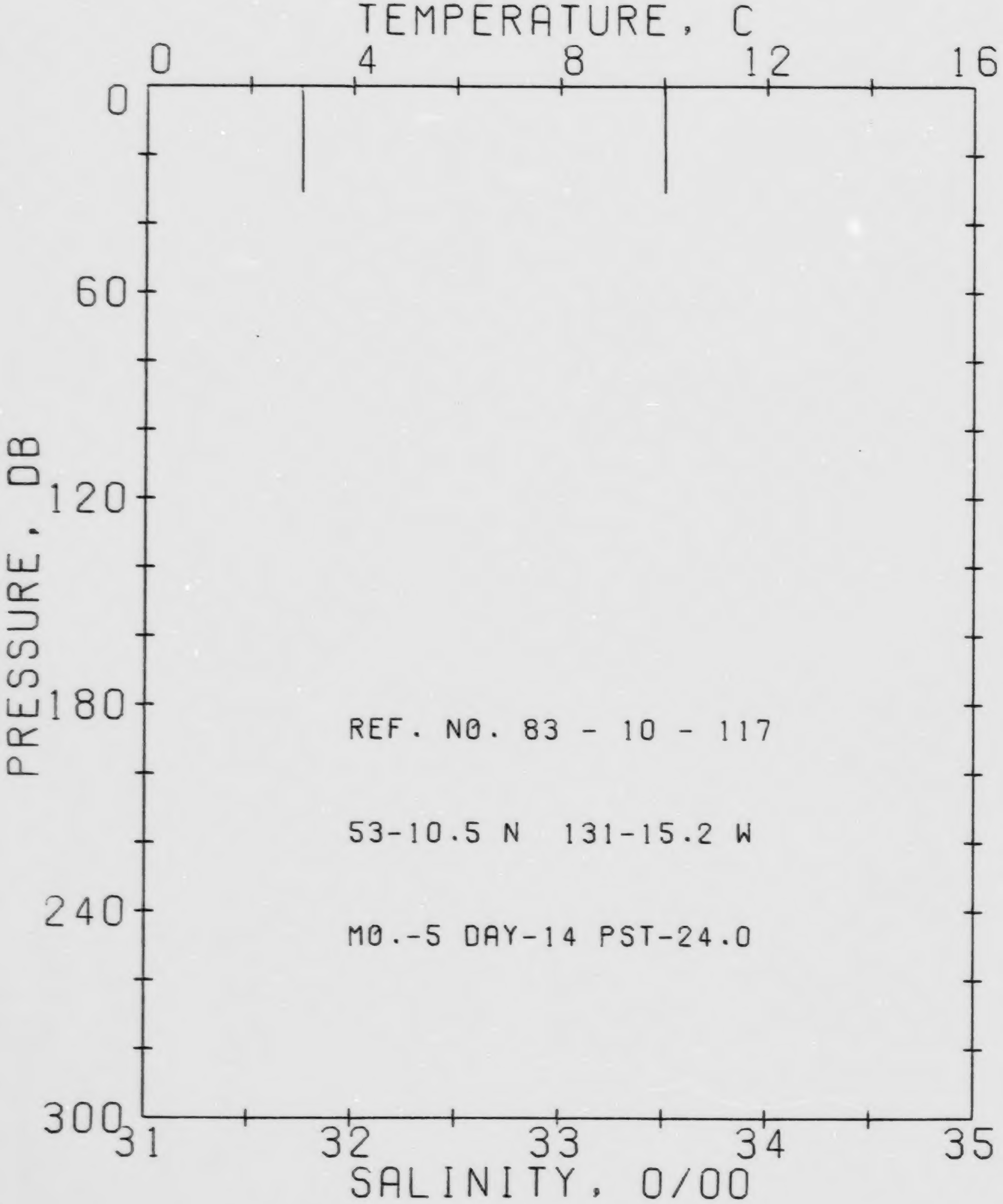
SALINITY, 0/00
REF. NO. 83 - 10 - 116
53-13.0 N 130-56.8 W
MO.-5 DAY-14 PST-22.5

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-116        DATE 14/ 5/83
POSITION  53-13.0N, 130-56.8W        22.5      STATION W10
RESULTS OF STP CAST    82 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH     SIGMA     SVA    DELTA     POT.    SOUND
                                      T                D        EN
   0    10.52    31.17       0     23.90    401.0      .00      .00   1487.
  10    10.52    31.17      10     23.90    401.4      .40      .02   1488.
  20    10.29    31.35      20     24.08    384.2      .80      .08   1487.
  30     9.76    31.61      30     24.37    357.1     1.17      .18   1486.
  50     9.32    31.68      50     24.49    345.6     1.87      .46   1484.
  75     8.55    31.87      75     24.77    320.0     2.72     1.00   1482.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 117
53-10.5 N 131-15.2 W
MO.-5 DAY-14 PST-24.0

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-117          DATE 14/ 5/83
POSITION  53-10.5N, 131-15.2W         24.0       STATION W13
RESULTS OF STP CAST     32 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   10.02   31.75        0    24.44  350.3     .00     .00   1486.
   10   10.02   31.75       10    24.44  350.1     .35     .02   1486.
   20   10.03   31.75       20    24.44  350.4     .70     .07   1487.
   30   10.03   31.75       30    24.44  350.6    1.05     .16   1487.

PRES  DEPTH      TEMP     SAL        PRES  DEPTH       TEMP     SAL

   0.           10.02   31.75         16.             10.02   31.75
   1.           10.02   31.75         17.             10.02   31.75
   2.           10.02   31.75         18.             10.03   31.75
   3.           10.02   31.75         19.             10.03   31.75
   4.           10.02   31.75         20.             10.03   31.75
   5.           10.02   31.75         21.             10.03   31.75
   6.           10.02   31.75         22.             10.03   31.75
   7.           10.02   31.75         23.             10.03   31.75
   8.           10.02   31.75         24.             10.03   31.75
   9.           10.02   31.75         25.             10.03   31.75
  10.           10.02   31.75         26.             10.03   31.75
  11.           10.02   31.75         27.             10.03   31.75
  12.           10.02   31.75         28.             10.03   31.75
  13.           10.02   31.75         29.             10.03   31.75
  14.           10.02   31.75         30.             10.03   31.75
  15.           10.02   31.75         31.             10.03   31.75
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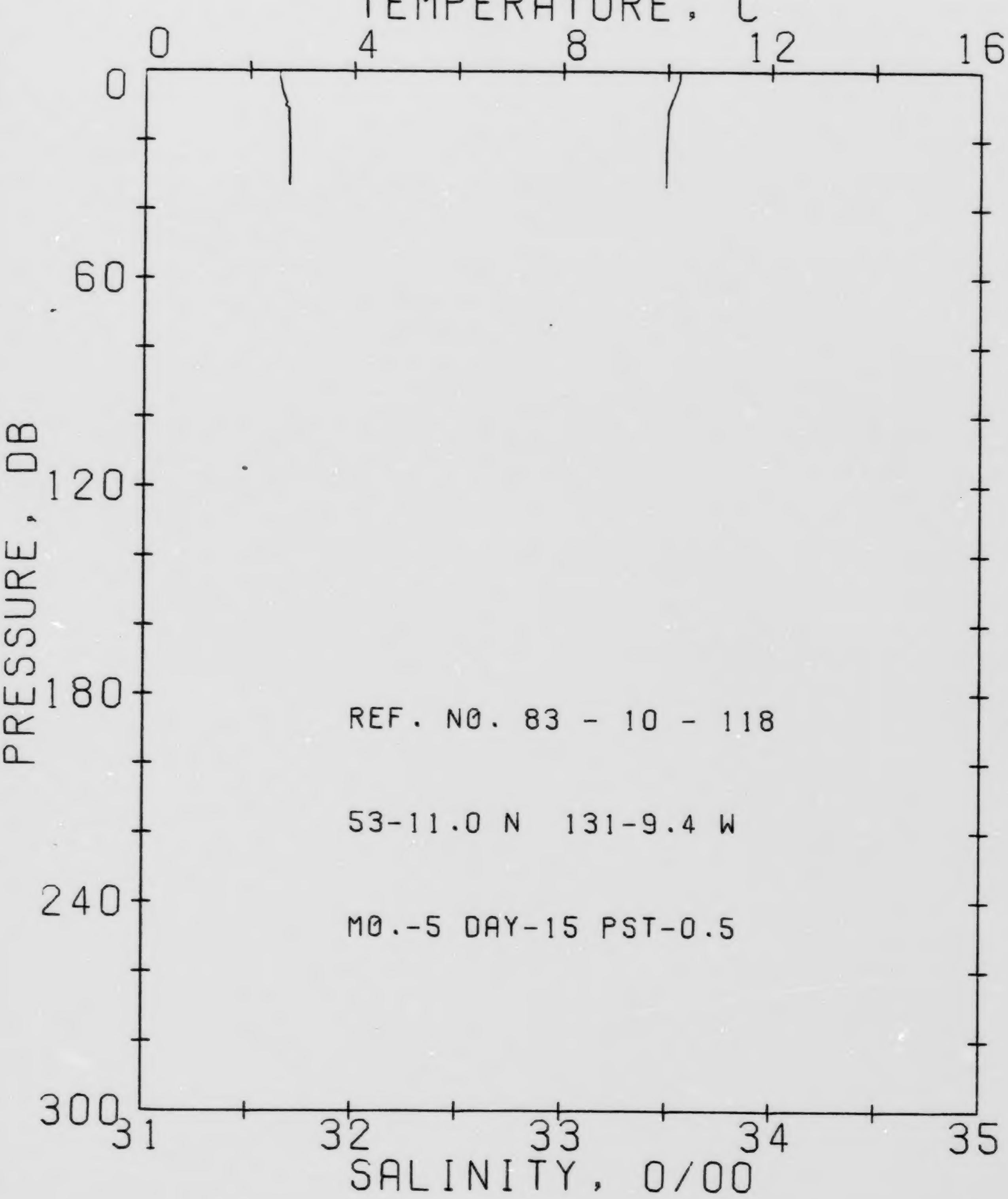


REF. NO. 83 - 10 - 118

53-11.0 N 131-9.4 W

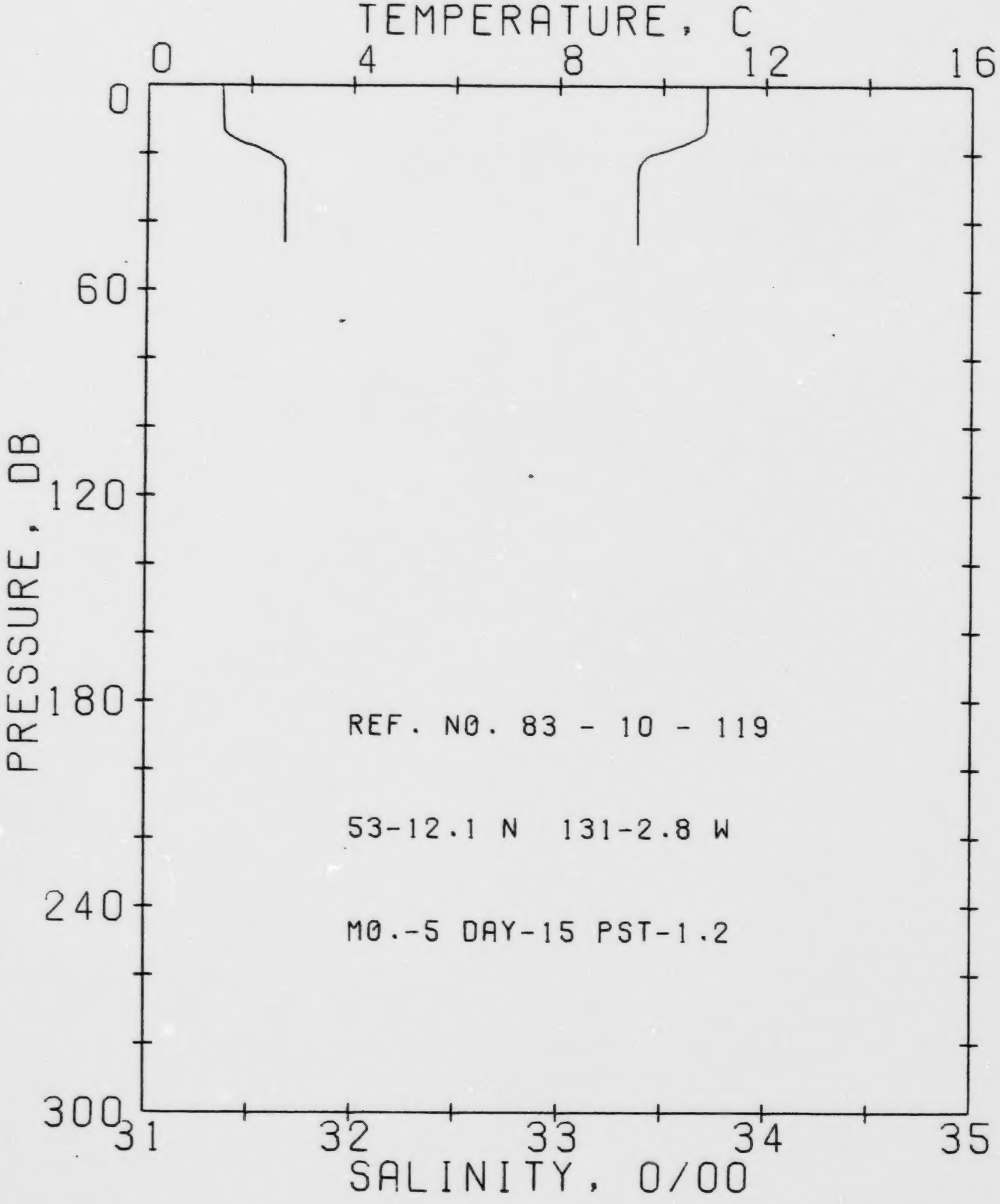
MO.-5 DAY-15 PST-0.5

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-118          DATE 15/ 5/83
POSITION  53-11.0N, 131- 9.4W          .5       STATION W12
RESULTS OF STP CAST     34 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T              D       EN
    0   10.23   31.64        0    24.32  361.3      .00      .00  1487.
   10   10.04   31.67       10    24.37  356.7      .36      .02  1486.
   20    9.98   31.69       20    24.40  354.3      .71      .07  1486.
   30    9.97   31.69       30    24.40  354.4     1.07      .16  1487.

PRES  DEPTH      TEMP     SAL       PRES  DEPTH       TEMP     SAL

  0.            10.23   31.64        17.               9.99   31.69
  1.            10.23   31.64        18.               9.99   31.69
  2.            10.23   31.64        19.               9.98   31.69
  3.            10.21   31.65        20.               9.98   31.69
  4.            10.19   31.65        21.               9.98   31.69
  5.            10.17   31.65        22.               9.98   31.69
  6.            10.14   31.66        23.               9.98   31.69
  7.            10.12   31.66        24.               9.97   31.69
  8.            10.08   31.67        25.               9.97   31.69
  9.            10.06   31.68        26.               9.97   31.69
 10.            10.04   31.67        27.               9.97   31.69
 11.            10.00   31.69        28.               9.97   31.69
 12.            10.00   31.69        29.               9.97   31.69
 13.            10.00   31.68        30.               9.97   31.69
 14.            10.01   31.68        31.               9.97   31.69
 15.             9.99   31.69        32.               9.97   31.69
 16.             9.99   31.69        33.               9.97   31.69
```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60
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180
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300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 119
53-12.1 N 131-2.8 W
MO.-5 DAY-15 PST-1.2

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-119         DATE 15/ 5/83
POSITION  53-12.1N, 131- 2.8W          1.2       STATION W11
RESULTS OF STP CAST    47 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D      EN
   0    10.85    31.36      0    24.00   392.2     .00     .00   1489.
  10    10.85    31.37     10    24.00   392.0     .39     .02   1489.
  20     9.75    31.60     20    24.37   357.4     .77     .08   1485.
  30     9.51    31.67     30    24.46   348.9    1.12     .17   1485.


PRES  DEPTH       TEMP     SAL        PRES   DEPTH        TEMP     SAL

  0.             10.85   31.36        24.                 9.53   31.67
  1.             10.85   31.36        25.                 9.52   31.67
  2.             10.85   31.36        26.                 9.51   31.66
  3.             10.85   31.36        27.                 9.51   31.67
  4.             10.85   31.36        28.                 9.51   31.67
  5.             10.85   31.37        29.                 9.51   31.67
  6.             10.85   31.36        30.                 9.51   31.67
  7.             10.85   31.36        31.                 9.51   31.66
  8.             10.86   31.36        32.                 9.51   31.67
  9.             10.85   31.36        33.                 9.51   31.67
 10.             10.85   31.37        34.                 9.51   31.67
 11.             10.85   31.37        35.                 9.51   31.66
 12.             10.85   31.37        36.                 9.51   31.66
 13.             10.84   31.37        37.                 9.51   31.67
 14.             10.80   31.38        38.                 9.51   31.67
 15.             10.68   31.40        39.                 9.51   31.66
 16.             10.55   31.43        40.                 9.51   31.67
 17.             10.39   31.47        41.                 9.51   31.67
 18.             10.20   31.53        42.                 9.51   31.67
 19.             10.00   31.56        43.                 9.51   31.67
 20.              9.75   31.60        44.                 9.51   31.67
 21.              9.66   31.62        45.                 9.51   31.67
 22.              9.60   31.65        46.                 9.51   31.67
 23.              9.55   31.66
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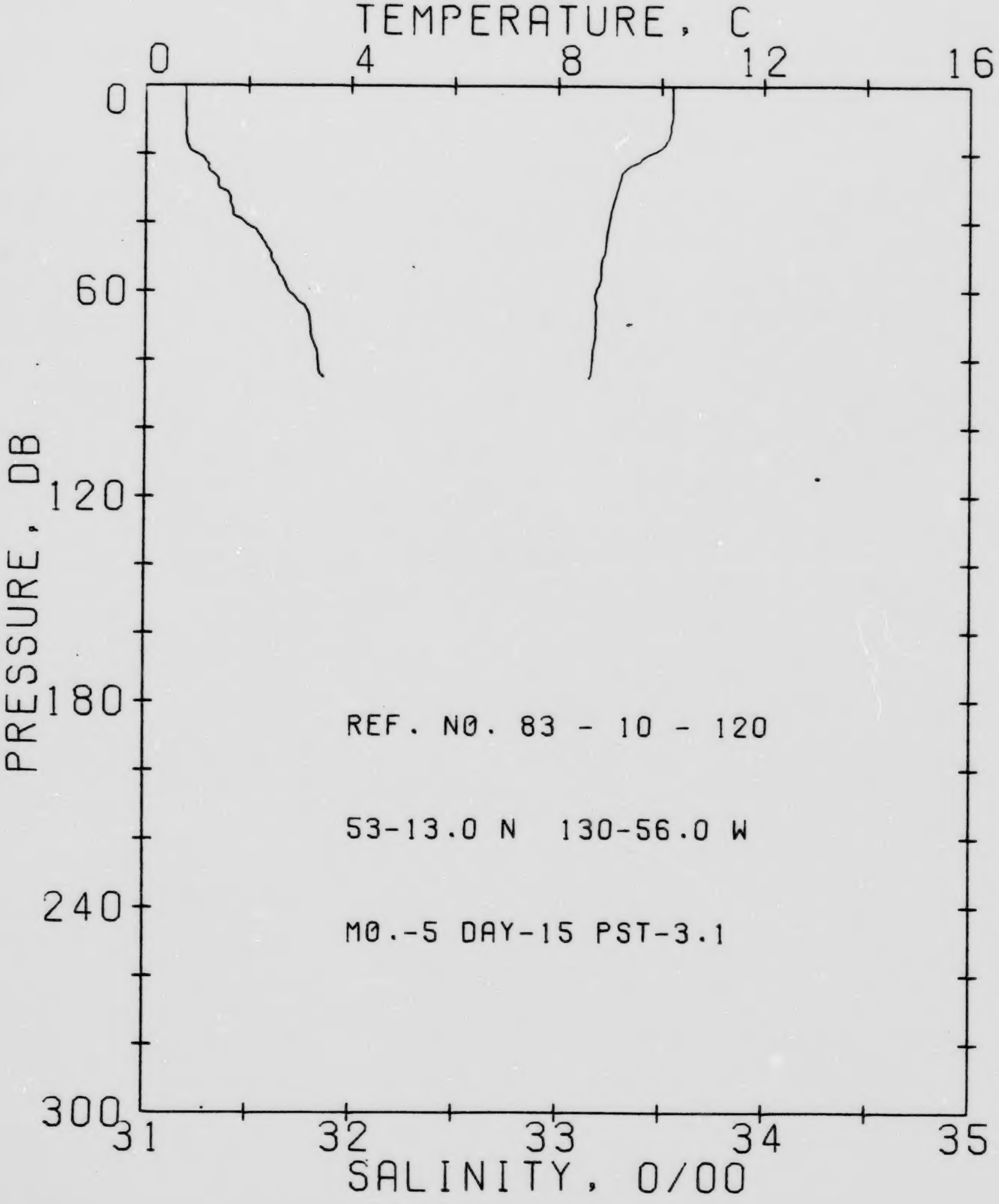
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12
16
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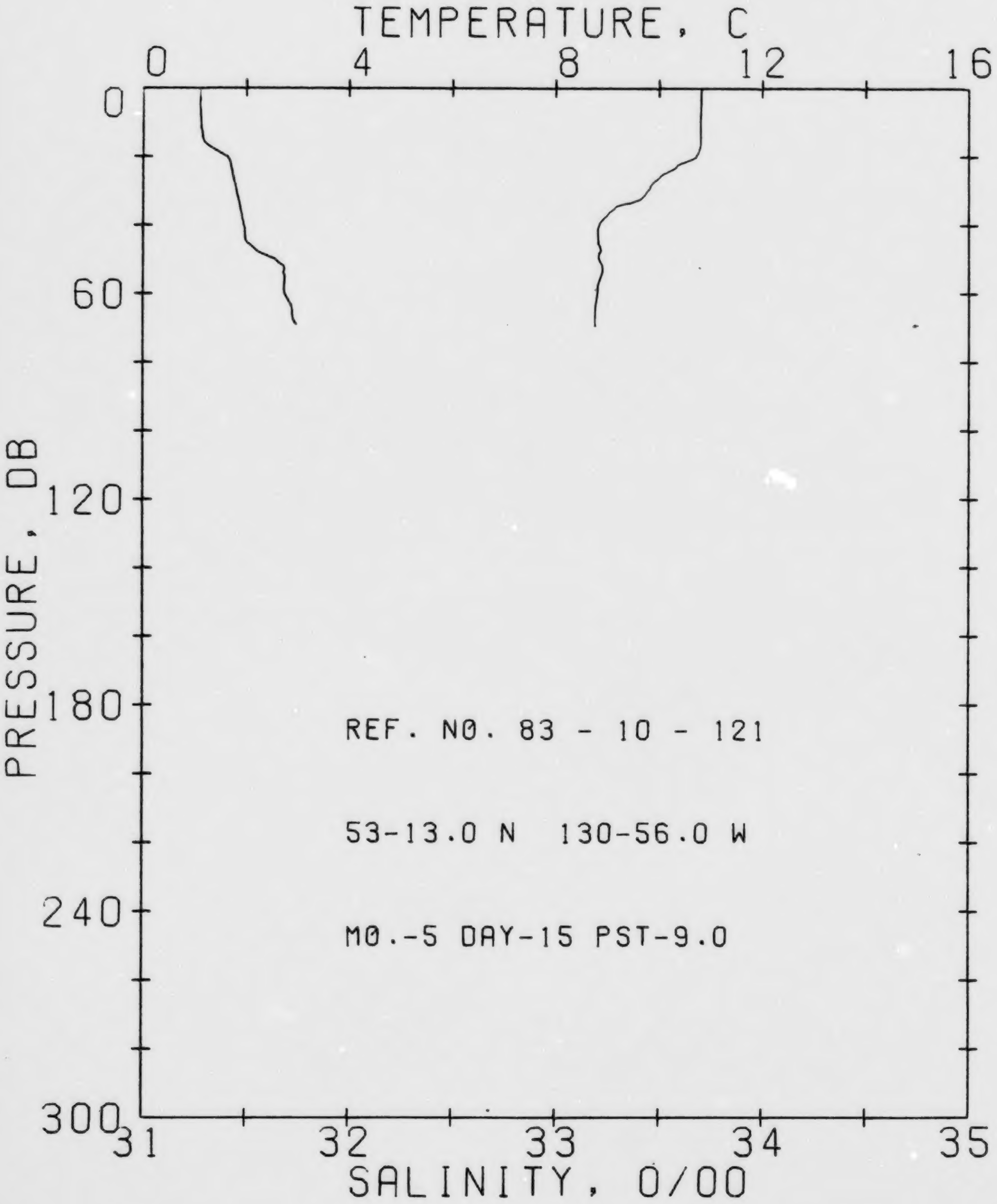
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 120
53-13.0 N 130-56.0 W
MO.-5 DAY-15 PST-3.1

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-120         DATE 15/ 5/83
POSITION  53-13.0N, 130-56.0W          3.1       STATION W10
RESULTS OF STP CAST    86 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    10.22    31.19      0    23.97   394.4     .00      .00   1486.
  10    10.21    31.20     10    23.98   394.3     .39      .02   1486.
  20     9.73    31.25     20    24.10   382.7     .79      .08   1485.
  30     9.15    31.36     30    24.27   366.4    1.16      .17   1483.
  50     8.86    31.61     50    24.51   343.9    1.87      .46   1483.
  75     8.70    31.82     75    24.70   326.3    2.70      .99   1483.
```


TEMPERATURE, C
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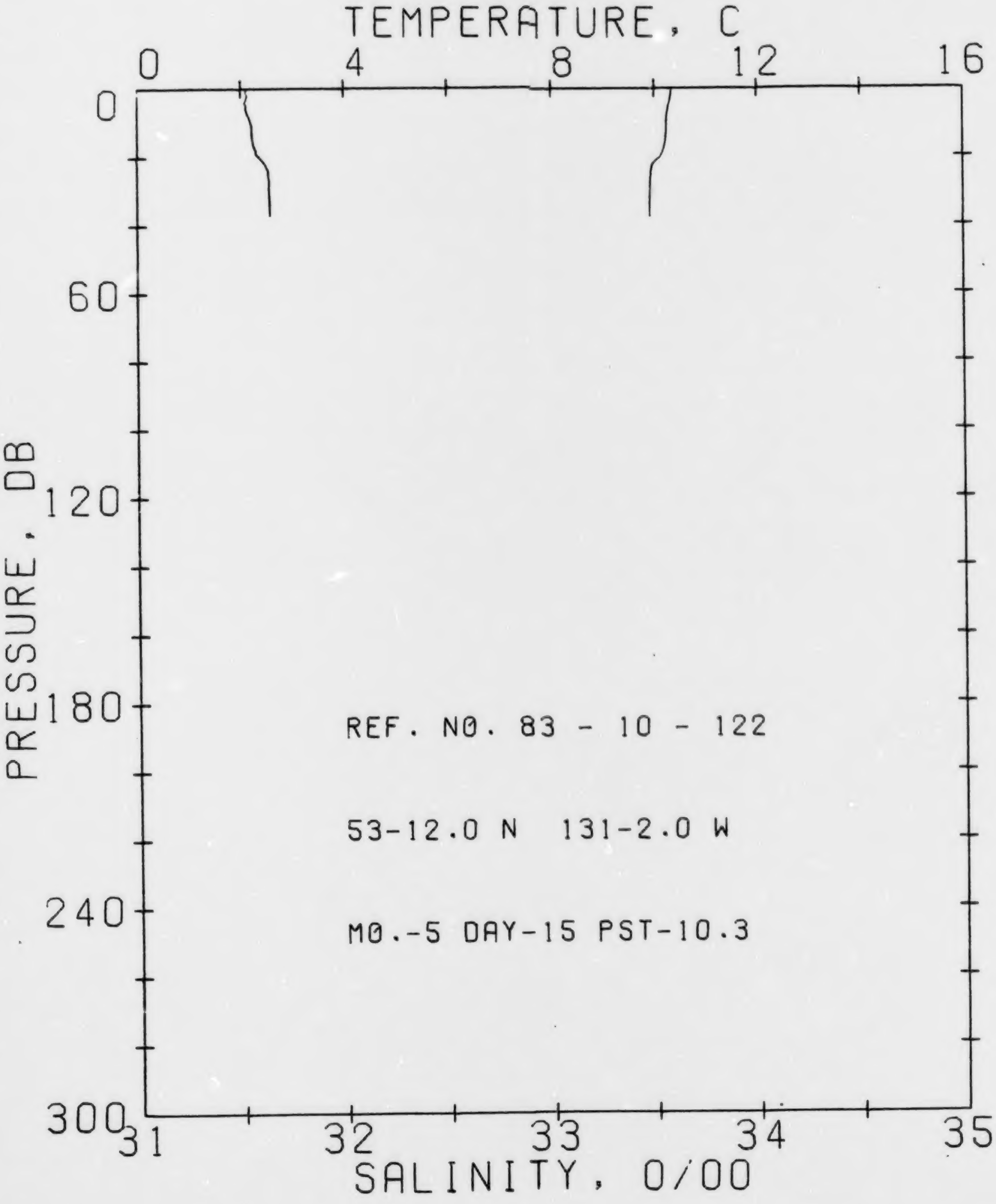
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 121
53-13.0 N 130-56.0 W
MO.-5 DAY-15 PST-9.0

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-121         DATE 15/ 5/83
POSITION  53-13.0N, 130-56.0W         9.0      STATION W10
RESULTS OF STP CAST    70 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0    10.82   31.27       0    23.94   398.1     .00      .00  1489.
  10    10.80   31.28      10    23.94   397.5     .40      .02  1489.
  20    10.71   31.41      20    24.06   386.7     .79      .08  1489.
  30     9.77   31.45      30    24.25   368.6    1.17      .18  1485.
  50     8.83   31.65      50    24.55   340.7    1.88      .46  1483.
```

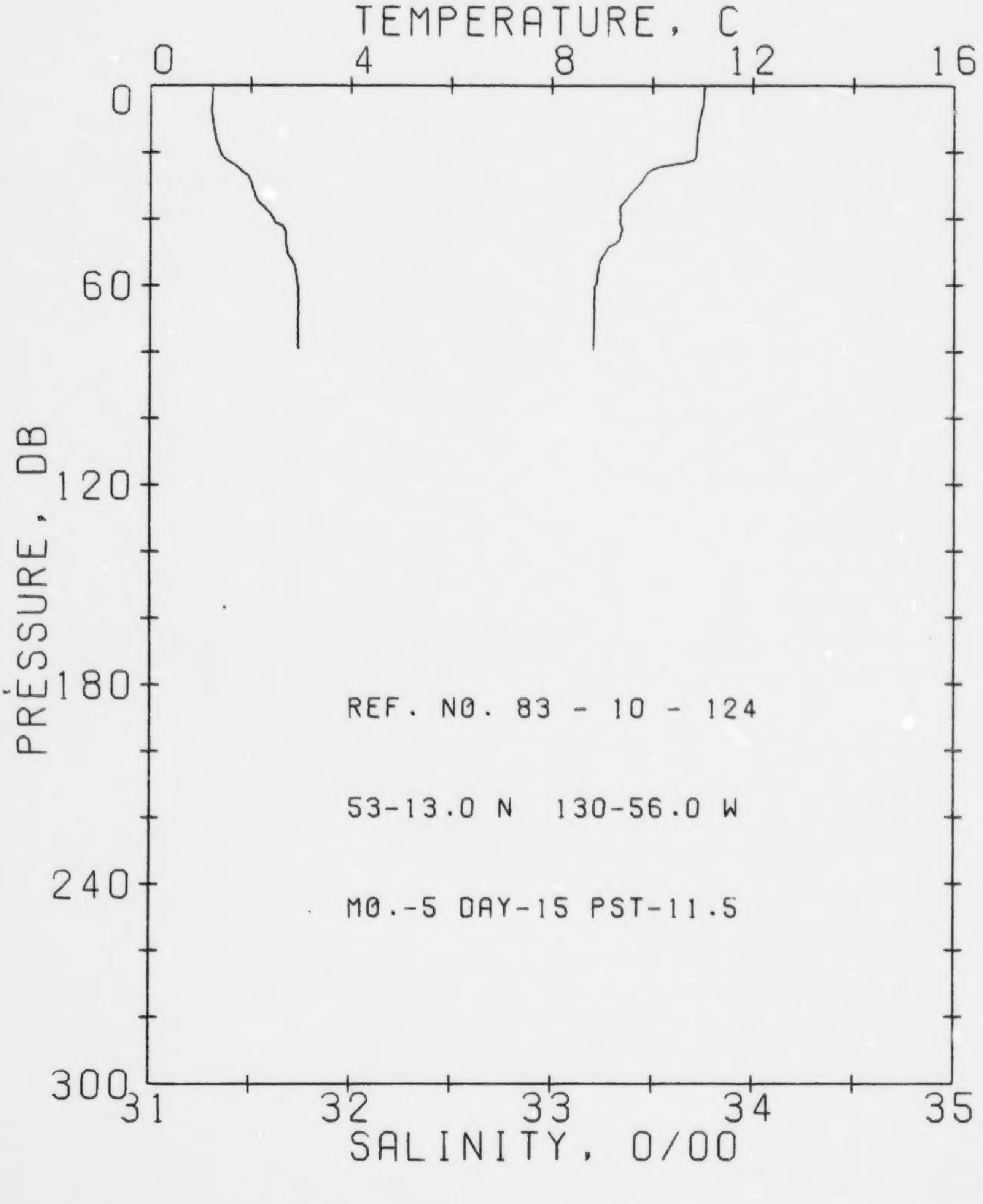

TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 122
53-12.0 N 131-2.0 W
MO.-5 DAY-15 PST-10.3

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-122          DATE 15/ 5/83
POSITION  53-12.0N, 131- 2.0W          10.3       STATION W11
RESULTS OF STP CAST     38 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA     SVA     DELTA     POT.    SOUND
                                     T                 D        EN
   0    10.34    31.53       0    24.21   371.6      .00      .00   1487.
  10    10.25    31.55      10    24.25   368.5      .37      .02   1487.
  20    10.11    31.59      20    24.30   363.4      .74      .07   1487.
  30     9.92    31.64      30    24.37   357.2     1.10      .17   1486.

PRES  DEPTH      TEMP      SAL        PRES  DEPTH        TEMP      SAL

  0.            10.34    31.53         19.              10.16    31.58
  1.            10.34    31.53         20.              10.11    31.59
  2.            10.33    31.53         21.              10.02    31.61
  3.            10.32    31.53         22.               9.97    31.62
  4.            10.31    31.52         23.               9.95    31.63
  5.            10.29    31.53         24.               9.94    31.64
  6.            10.27    31.53         25.               9.94    31.63
  7.            10.26    31.53         26.               9.93    31.64
  8.            10.25    31.54         27.               9.93    31.64
  9.            10.25    31.55         28.               9.93    31.64
 10.            10.25    31.55         29.               9.93    31.64
 11.            10.25    31.56         30.               9.92    31.64
 12.            10.25    31.56         31.               9.92    31.64
 13.            10.24    31.56         32.               9.92    31.64
 14.            10.24    31.56         33.               9.91    31.64
 15.            10.23    31.56         34.               9.91    31.64
 16.            10.22    31.56         35.               9.91    31.64
 17.            10.20    31.57         36.               9.91    31.64
 18.            10.18    31.58         37.               9.91    31.64
```


TEMPERATURE, C
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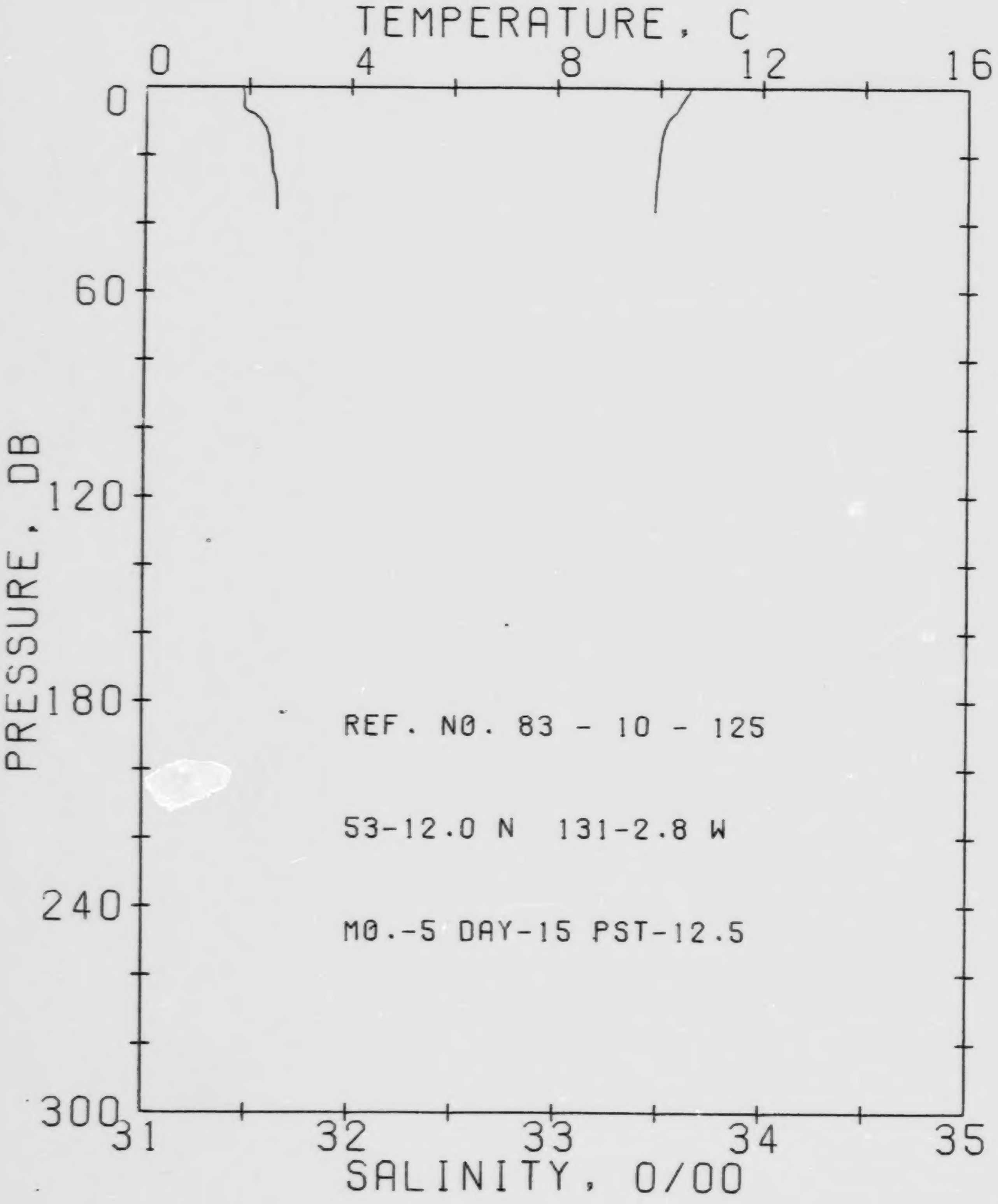
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 124
53-13.0 N 130-56.0 W
MO.-5 DAY-15 PST-11.5

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-124        DATE 15/ 5/83
POSITION  53-13.0N, 130-56.0W        11.5      STATION W10
RESULTS OF STP CAST     80 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA   DELTA   POT.   SOUND
                                   T               D     EN
    0   11.05   31.31       0    23.92  399.6     .00    .00   1489.
   10   10.94   31.31      10    23.94  397.6     .40    .02   1489.
   20   10.88   31.35      20    23.98  394.0     .79    .08   1489.
   30    9.70   31.51      30    24.30  363.5    1.17    .18   1485.
   50    9.05   31.68      50    24.54  341.4    1.87    .46   1483.
   75    8.82   31.73      75    24.62  334.3    2.71   1.00   1483.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 83 - 10 - 125
53-12.0 N 131-2.8 W
MO.-5 DAY-15 PST-12.5
31
32
33
34
35
SALINITY, O/OO

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-125         DATE 15/ 5/83
POSITION  53-12.0N, 131- 2.8W        12.5       STATION W11
RESULTS OF STP CAST    37 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                     T                 D       EN
    0   10.59    31.47        0    24.13   379.9      .00       .00   1488.
   10   10.14    31.56       10    24.27   365.9      .37       .02   1487.
   20    9.98    31.61       20    24.34   360.1      .74       .07   1486.
   30    9.92    31.64       30    24.37   357.4     1.10       .17   1486.

PRES  DEPTH      TEMP      SAL        PRES  DEPTH        TEMP     SAL

  0.            10.59    31.47         19.                9.99   31.61
  1.            10.57    31.47         20.                9.98   31.61
  2.            10.52    31.48         21.                9.98   31.61
  3.            10.47    31.48         22.                9.98   31.61
  4.            10.43    31.48         23.                9.97   31.62
  5.            10.39    31.47         24.                9.96   31.62
  6.            10.35    31.48         25.                9.96   31.62
  7.            10.31    31.49         26.                9.94   31.63
  8.            10.23    31.53         27.                9.93   31.63
  9.            10.17    31.55         28.                9.93   31.64
 10.            10.14    31.56         29.                9.92   31.63
 11.            10.10    31.57         30.                9.92   31.64
 12.            10.08    31.59         31.                9.92   31.64
 13.            10.06    31.59         32.                9.91   31.64
 14.            10.04    31.60         33.                9.91   31.64
 15.            10.03    31.60         34.                9.91   31.64
 16.            10.02    31.60         35.                9.90   31.64
 17.            10.02    31.60         36.                9.90   31.64
 18.            10.01    31.60
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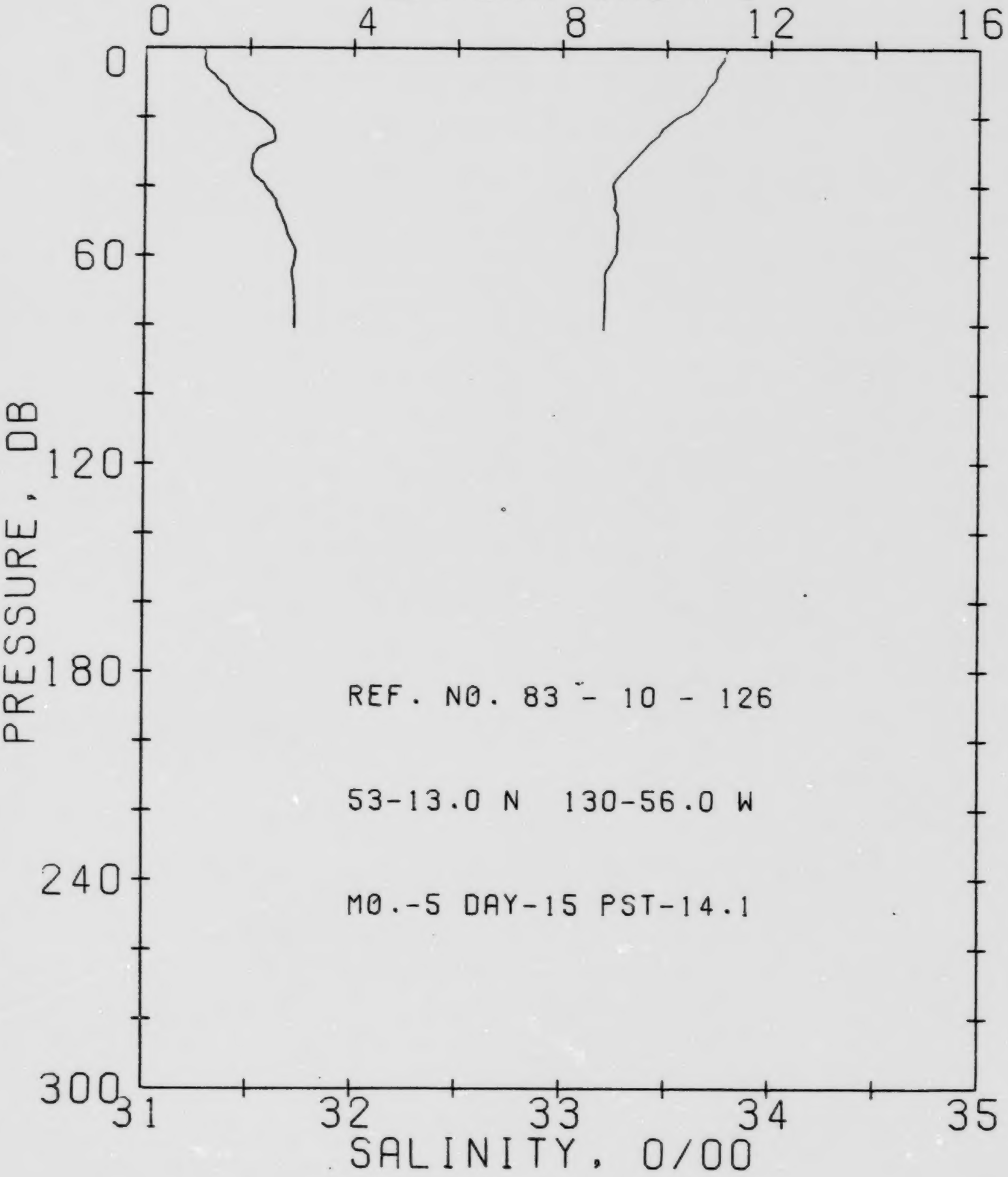
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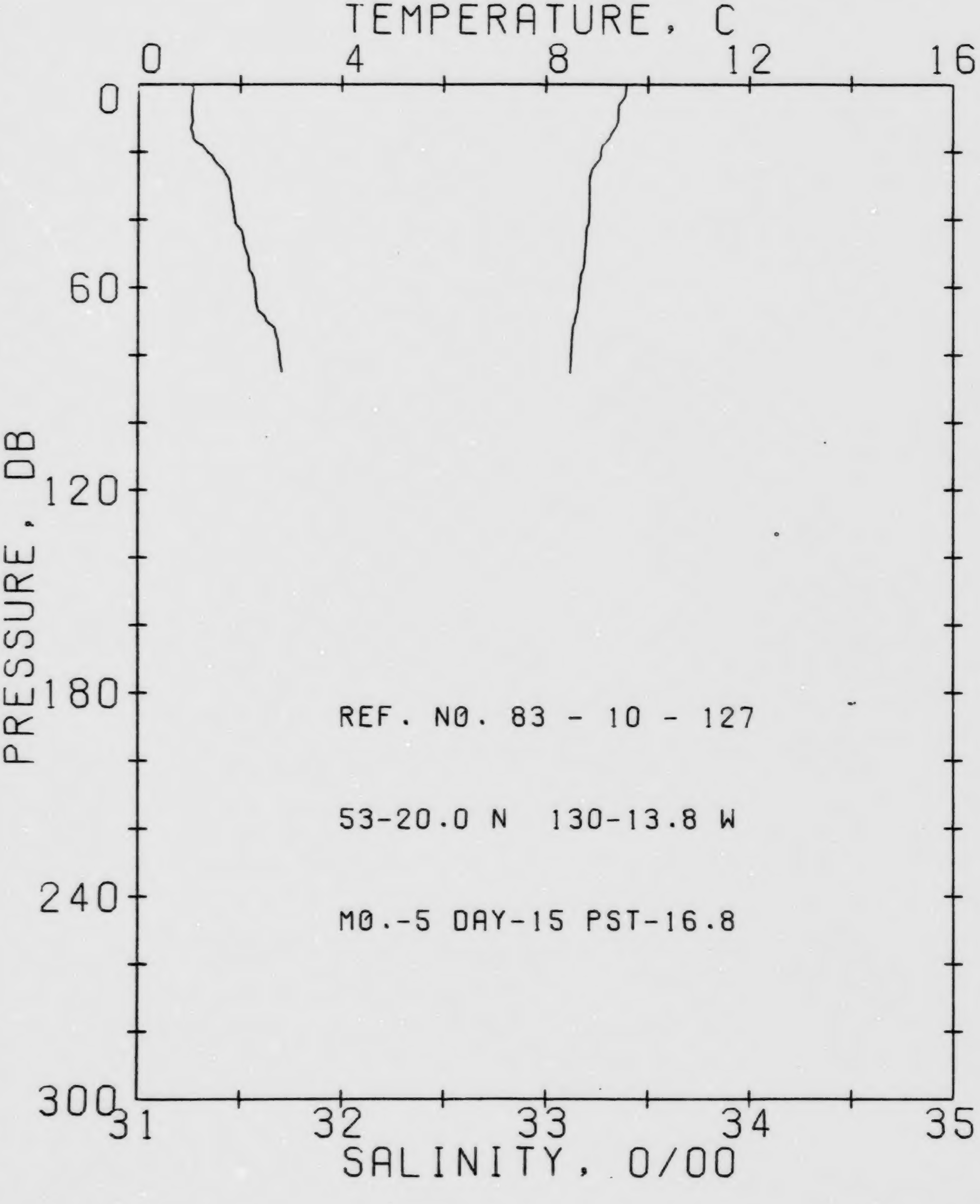
60
120
180
240
300
PRESSURE, DB
REF. NO. 83 - 10 - 126
53-13.0 N 130-56.0 W
MO.-5 DAY-15 PST-14.1
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-126        DATE 15/ 5/83
POSITION  53-13.0N, 130-56.0W        14.1      STATION W10
RESULTS OF STP CAST    82 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA   DELTA    POT.    SOUND
                                   T               D      EN
    0   11.16   31.28       0    23.88  403.6     .00     .00   1490.
   10   10.88   31.37      10    24.00  392.6     .40     .02   1489.
   20   10.20   31.56      20    24.26  367.7     .78     .08   1487.
   30    9.52   31.53      30    24.35  359.4    1.14     .17   1485.
   50    9.07   31.66      50    24.52  342.8    1.84     .45   1483.
   75    8.83   31.72      75    24.60  335.6    2.69     .99   1483.
```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8
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16
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180
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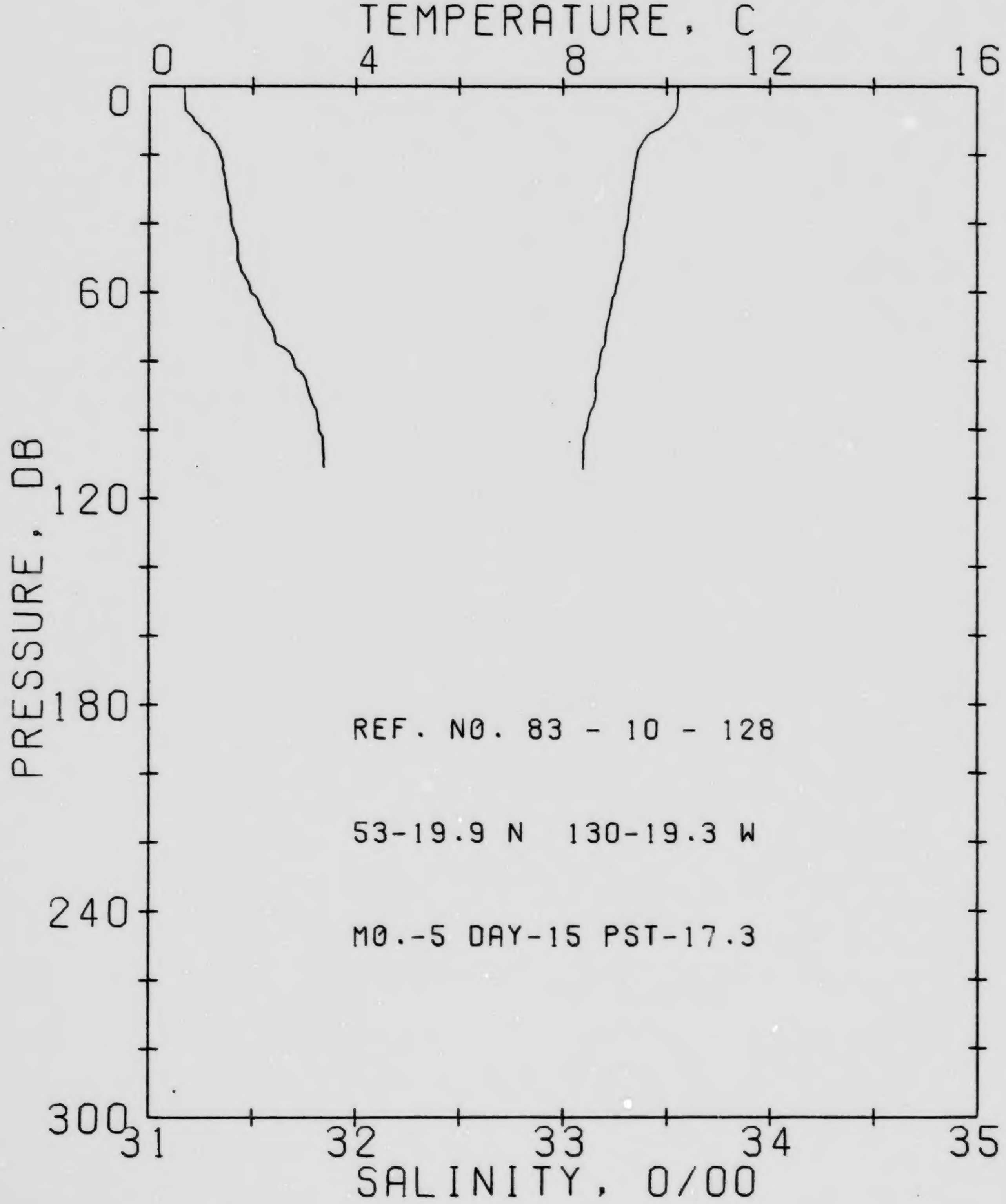
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 127
53-20.0 N 130-13.8 W
MO.-5 DAY-15 PST-16.8

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-127          DATE 15/ 5/83
POSITION  53-20.0N, 130-13.8W         16.8       STATION W 1
RESULTS OF STP CAST    86 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP     SAL    DEPTH     SIGMA    SVA    DELTA     POT.    SOUND
                                      T               D       EN
    0     9.58    31.27       0     24.13  379.2      .00      .00   1484.
   10     9.43    31.27      10     24.16  377.0      .38      .02   1484.
   20     9.09    31.34      20     24.27  366.4      .75      .08   1483.
   30     8.86    31.45      30     24.39  355.1     1.11      .17   1482.
   50     8.77    31.54      50     24.47  347.7     1.82      .45   1482.
   75     8.51    31.69      75     24.63  333.4     2.67     1.00   1482.
```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120
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300
PRESSURE, DB
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32
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34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 128
53-19.9 N 130-19.3 W
MO.-5 DAY-15 PST-17.3

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-128         DATE 15/ 5/83
POSITION  53-19.9N, 130-19.3W         17.3      STATION W 2
RESULTS OF STP CAST   112 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   10.22   31.17       0    23.95   396.4     .00      .00   1486.
   10   10.05   31.22      10    24.02   390.1     .40      .02   1486.
   20    9.43   31.34      20    24.22   371.5     .77      .08   1484.
   30    9.32   31.38      30    24.26   367.7    1.14      .17   1484.
   50    9.17   31.43      50    24.32   362.0    1.87      .47   1484.
   75    8.80   31.61      75    24.53   343.0    2.75     1.03   1483.
  100    8.45   31.82      99    24.74   323.2    3.58     1.76   1482.
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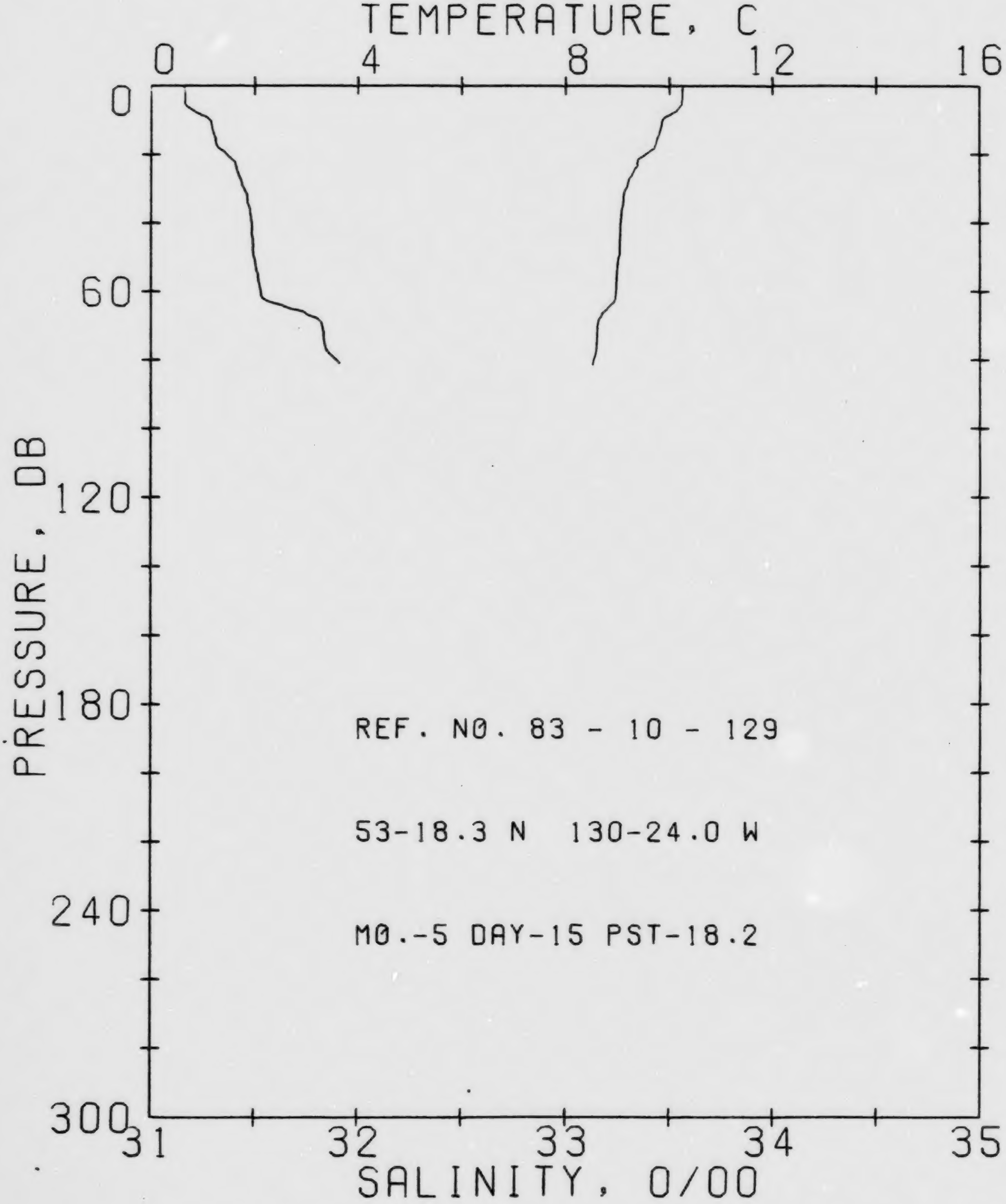
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60
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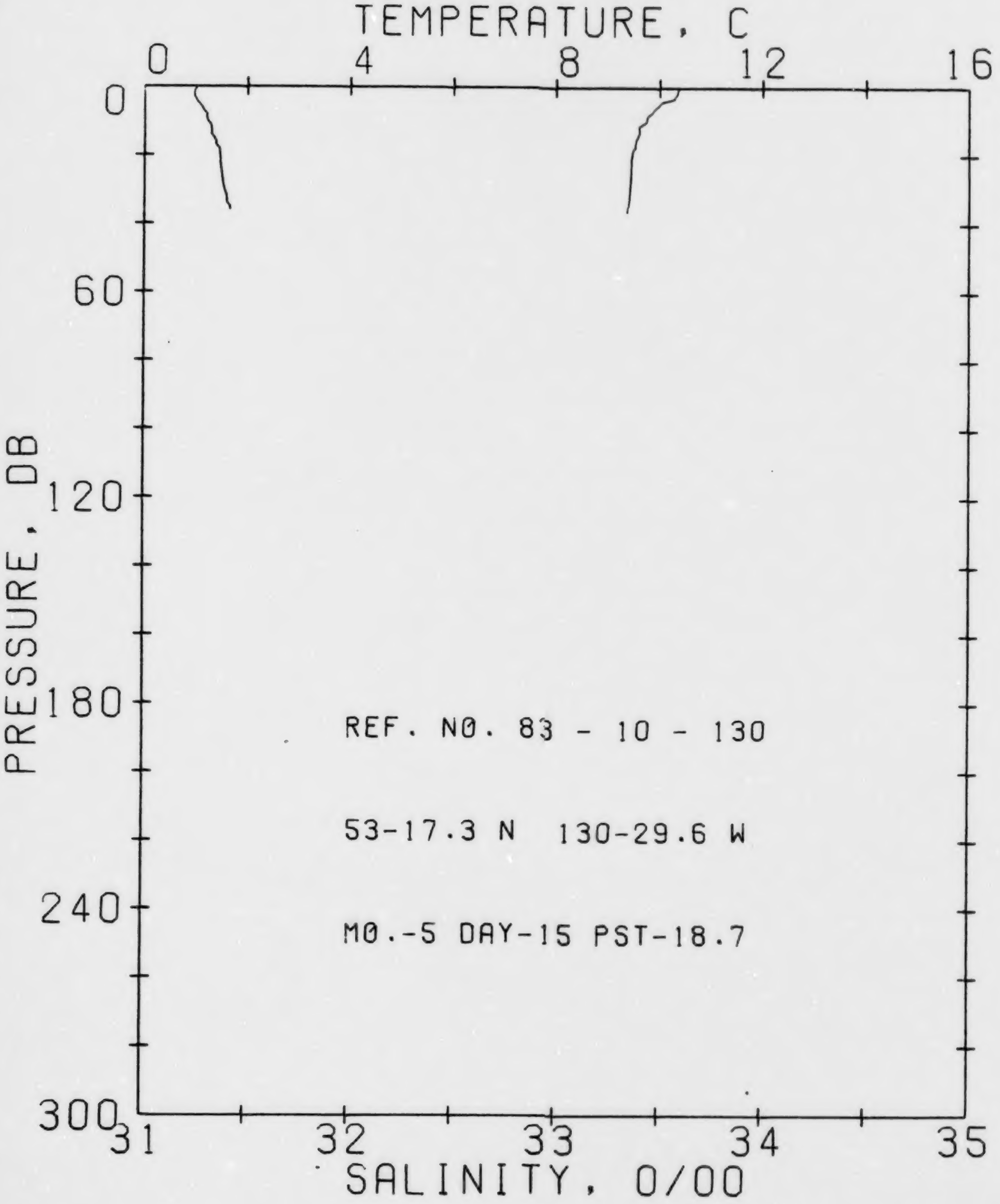
35
SALINITY, 0/00
REF. NO. 83 - 10 - 129
53-18.3 N 130-24.0 W
MO.-5 DAY-15 PST-18.2

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-129          DATE 15/ 5/83
POSITION  53-18.3N, 130-24.0W         18.2      STATION W 3
RESULTS OF STP CAST    82 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D       EN
   0    10.26    31.16       0    23.94   397.4     .00      .00  1486.
  10     9.87    31.29      10    24.11   381.9     .39      .02  1485.
  20     9.51    31.37      20    24.22   370.9     .77      .08  1484.
  30     9.15    31.45      30    24.35   359.4    1.14      .17  1483.
  50     9.01    31.50      50    24.40   354.2    1.85      .46  1483.
  75     8.60    31.84      75    24.73   323.3    2.70     1.00  1482.
```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PRESSURE, DB
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REF. NO. 83 - 10 - 130
53-17.3 N 130-29.6 W
MO.-5 DAY-15 PST-18.7
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-130          DATE 15/ 5/83
POSITION  53-17.3N, 130-29.6W         18.7       STATION W 4
RESULTS OF STP CAST    37 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T                D      EN
   0    10.37   31.25        0    23.99   392.6     .00      .00  1487.
  10     9.74   31.31       10    24.14   378.7     .39      .02  1485.
  20     9.47   31.37       20    24.23   370.3     .76      .08  1484.
  30     9.43   31.39       30    24.25   368.2    1.13      .17  1484.

PRES  DEPTH       TEMP     SAL        PRES  DEPTH        TEMP     SAL

  0.             10.37   31.25         19.                9.48   31.37
  1.             10.36   31.24         20.                9.47   31.37
  2.             10.33   31.24         21.                9.46   31.37
  3.             10.29   31.24         22.                9.46   31.37
  4.             10.06   31.25         23.                9.45   31.37
  5.              9.99   31.27         24.                9.46   31.37
  6.              9.92   31.28         25.                9.45   31.38
  7.              9.86   31.29         26.                9.45   31.38
  8.              9.78   31.30         27.                9.45   31.38
  9.              9.77   31.30         28.                9.44   31.38
 10.              9.74   31.31         29.                9.43   31.38
 11.              9.60   31.32         30.                9.43   31.39
 12.              9.62   31.33         31.                9.42   31.39
 13.              9.62   31.33         32.                9.42   31.40
 14.              9.59   31.32         33.                9.41   31.40
 15.              9.55   31.34         34.                9.41   31.40
 16.              9.54   31.35         35.                9.38   31.42
 17.              9.53   31.35         36.                9.38   31.42
 18.              9.49   31.37
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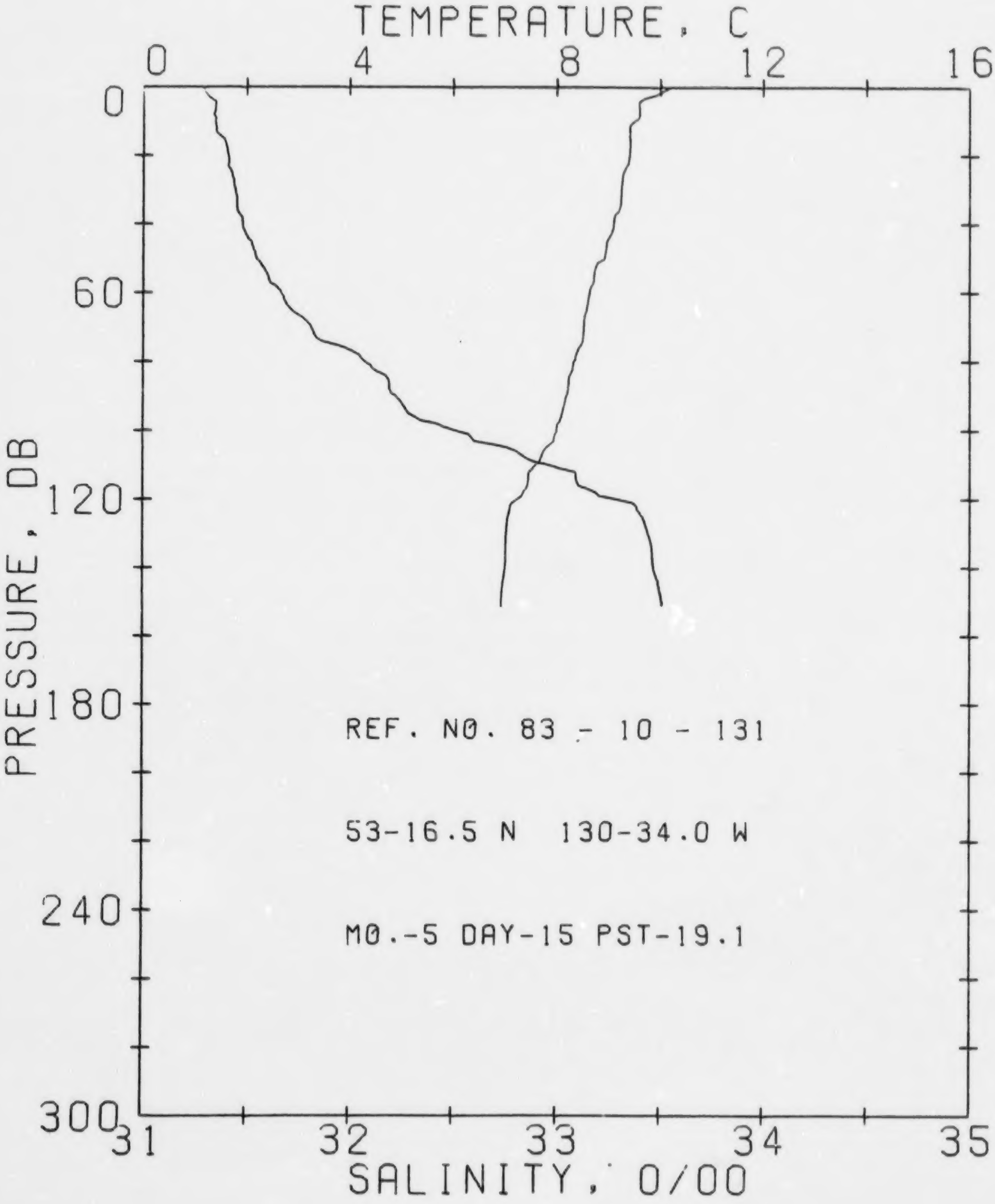


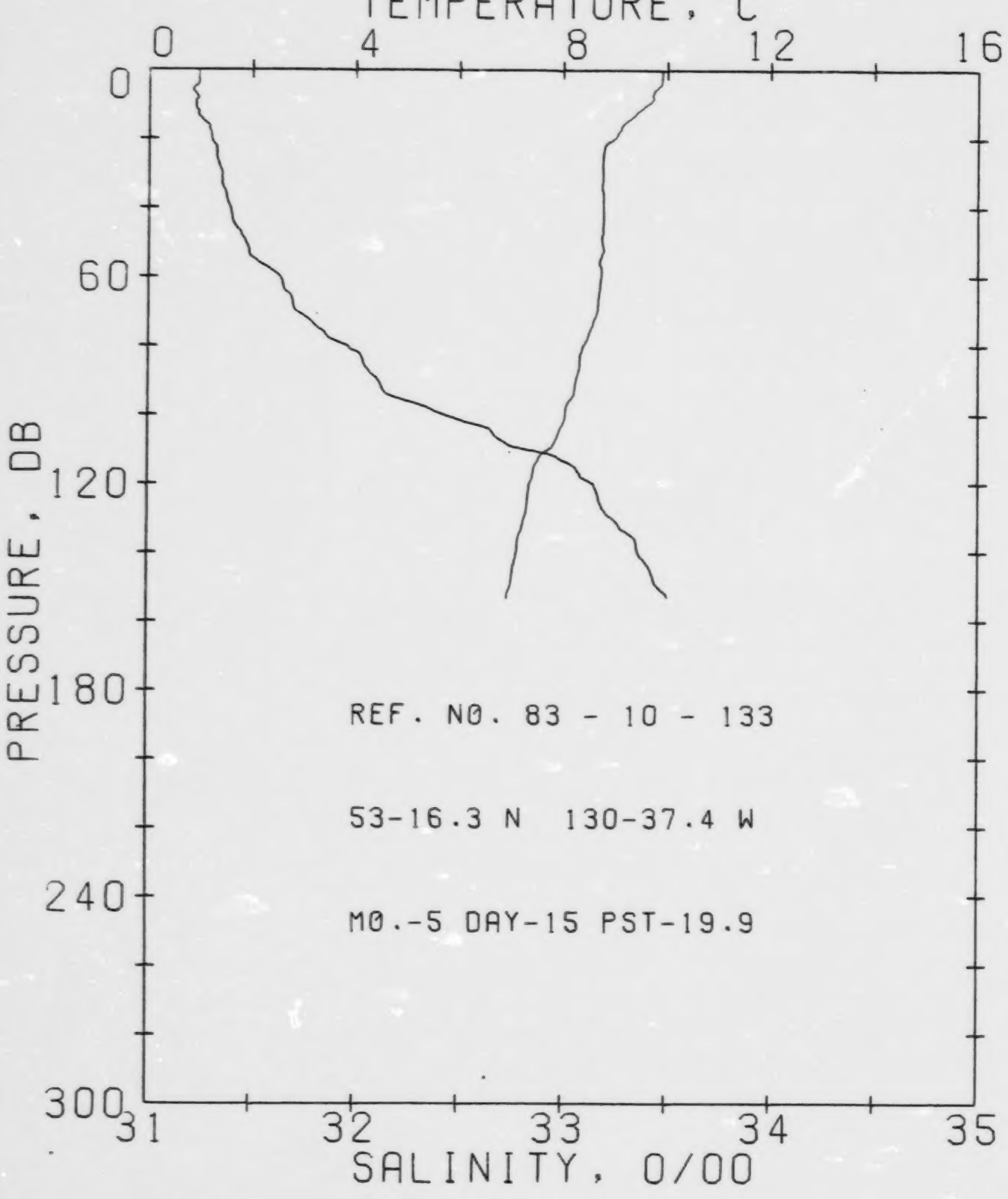
REF. NO. 83 - 10 - 131

53-16.5 N 130-34.0 W

MO.-5 DAY-15 PST-19.1

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-131          DATE 15/ 5/83
POSITION  53-16.5N, 130-34.0W          19.1       STATION W 5
RESULTS OF STP CAST   152 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA     SVA    DELTA     POT.   SOUND
                                   T                 D       EN
   0    10.16   31.30       0    24.06   385.9      .00      .00   1486.
  10     9.48   31.35      10    24.21   371.7      .38      .02   1484.
  20     9.41   31.41      20    24.28   365.9      .74      .08   1484.
  30     9.25   31.45      30    24.33   361.2     1.11      .17   1484.
  50     8.92   31.55      50    24.46   349.1     1.82      .46   1483.
  75     8.47   31.93      75    24.82   314.7     2.65      .99   1482.
 100     8.00   32.52      99    25.35   265.0     3.38     1.63   1481.
 125     7.06   33.42     124    26.19   185.6     3.93     2.26   1479.
 150     6.93   33.51     149    26.28   177.3     4.39     2.90   1479.
```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PRESSURE, DB
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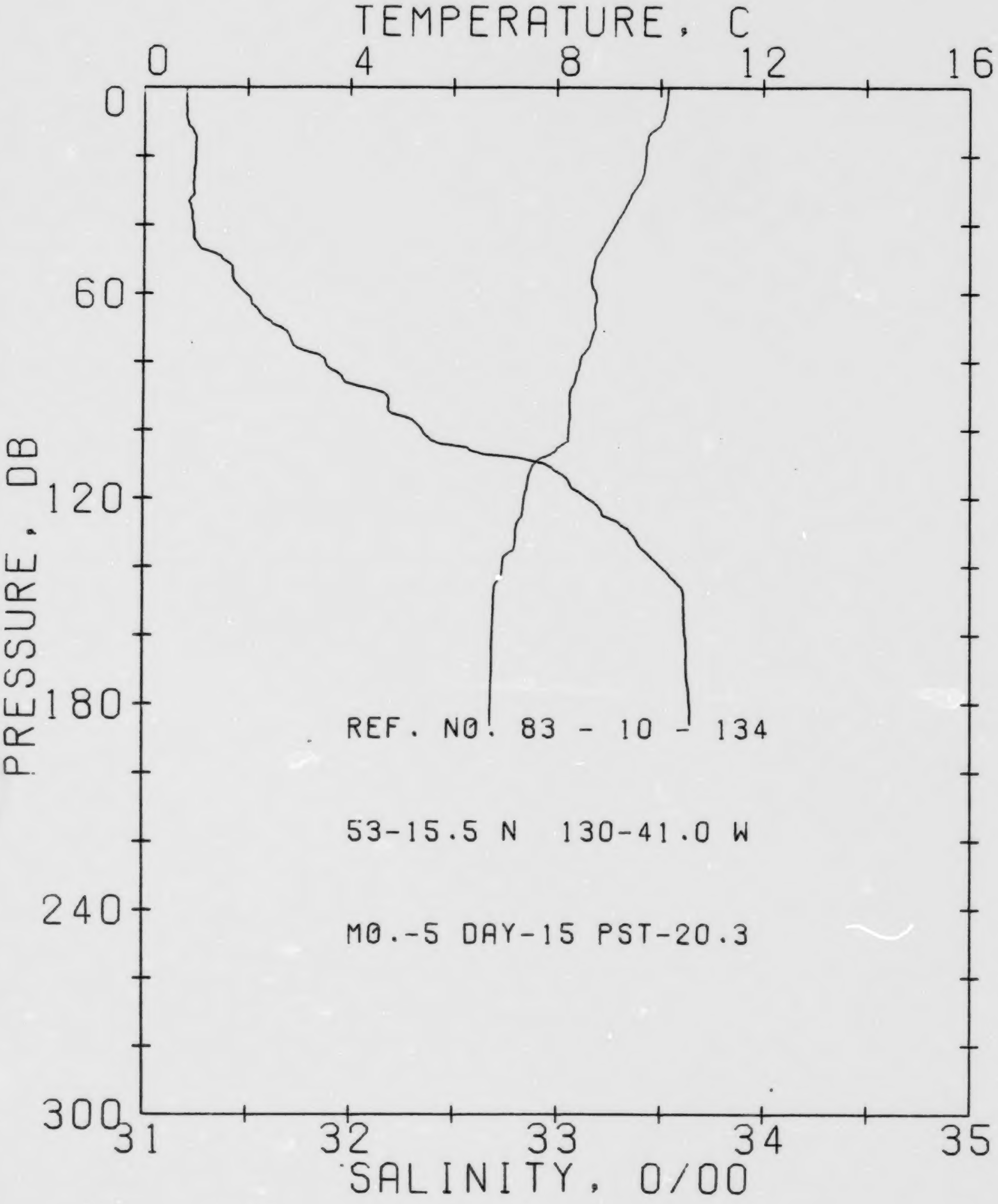
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 133
53-16.3 N 130-37.4 W
MO.-5 DAY-15 PST-19.9

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-133        DATE 15/ 5/83
POSITION  53-16.3N, 130-37.4W        19.9      STATION W 6
RESULTS OF STP CAST   154 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                   T                D       EN
    0    9.91   31.24       0    24.06  386.1      .00      .00   1485.
   10    9.60   31.23      10    24.10  382.7      .39      .02   1484.
   20    8.97   31.30      20    24.26  367.8      .76      .08   1482.
   30    8.77   31.36      30    24.33  360.9     1.12      .17   1482.
   50    8.75   31.47      50    24.42  352.5     1.84      .46   1482.
   75    8.53   31.83      75    24.73  323.1     2.69     1.00   1482.
  100    8.04   32.43      99    25.28  271.7     3.44     1.67   1481.
  125    7.33   33.18     124    25.96  207.1     4.02     2.33   1480.
  150    6.98   33.46     149    26.23  181.7     4.50     3.00   1479.
```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PRESSURE, DB
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60
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180
240
300
REF. NO. 83 - 10 - 134
53-15.5 N 130-41.0 W
MO.-5 DAY-15 PST-20.3
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-134         DATE 15/ 5/83
POSITION  53-15.5N, 130-41.0W         20.3       STATION W 7
RESULTS OF STP CAST   187 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                     T                D      EN
    0   10.15    31.21        0    23.99   392.5     .00     .00   1486.
   10   10.03    31.21       10    24.02   390.2     .39     .02   1486.
   20    9.72    31.25       20    24.10   383.0     .78     .08   1485.
   30    9.48    31.24       30    24.13   380.1    1.16     .18   1484.
   50    8.73    31.38       50    24.35   358.9    1.91     .48   1482.
   75    8.63    31.72       75    24.64   332.3    2.77    1.03   1482.
  100    8.22    32.35       99    25.19   280.5    3.53    1.70   1482.
  125    7.33    33.22      124    26.00   203.8    4.11    2.37   1480.
  150    6.77    33.61      149    26.38   167.7    4.57    3.00   1479.
  175    6.72    33.63      174    26.40   165.6    4.99    3.69   1479.
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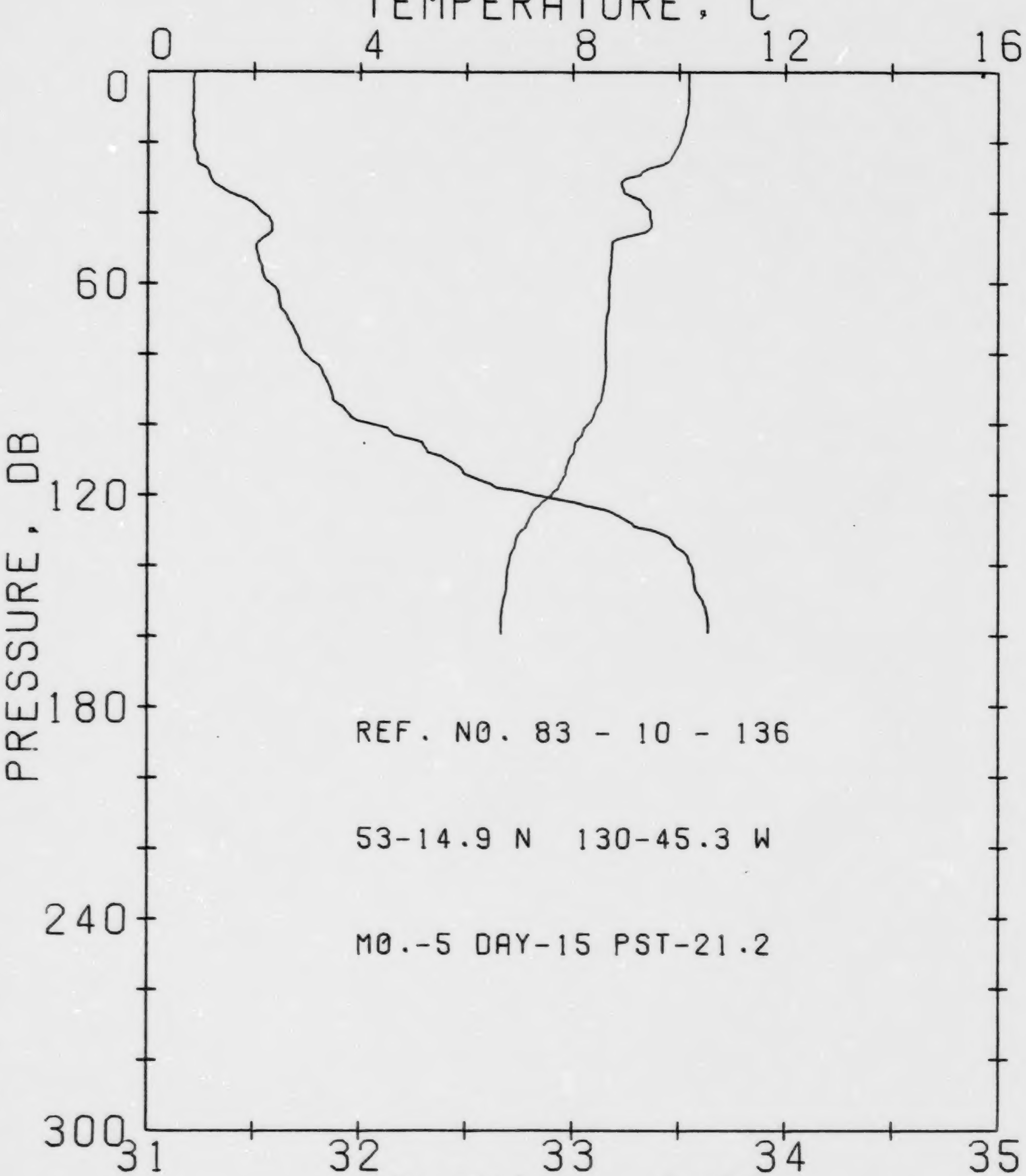
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PRESSURE, DB
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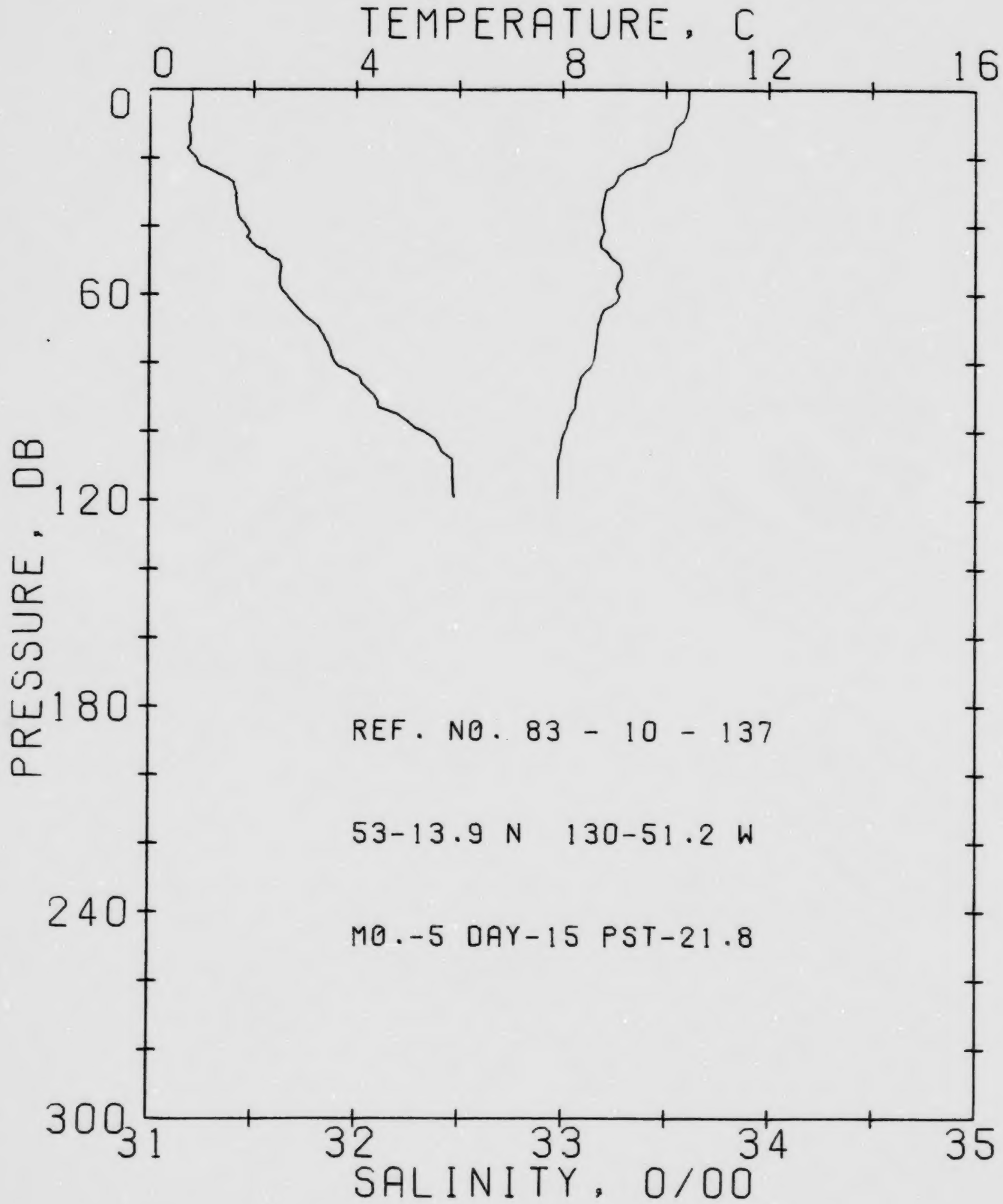
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 136
53-14.9 N 130-45.3 W
MO.-5 DAY-15 PST-21.2

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-136 DATE 15/ 5/83
POSITION 53-14.9N, 130-45.3W 21.2 STATION W 8
RESULTS OF STP CAST 160 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.19	31.22	0	24.00	392.2	.00	.00	1486.
10	10.17	31.21	10	24.00	392.4	.39	.02	1486.
20	10.02	31.22	20	24.02	390.0	.78	.08	1486.
30	9.00	31.30	30	24.25	368.6	1.17	.18	1482.
50	8.74	31.51	50	24.45	349.5	1.88	.47	1482.
75	8.63	31.71	75	24.63	333.4	2.74	1.01	1482.
100	8.29	32.07	99	24.96	302.1	3.54	1.73	1482.
125	7.26	33.20	124	25.99	204.7	4.20	2.47	1480.
150	6.71	33.61	149	26.39	166.7	4.64	3.10	1479.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60
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180
240
300
PRESSURE, DB
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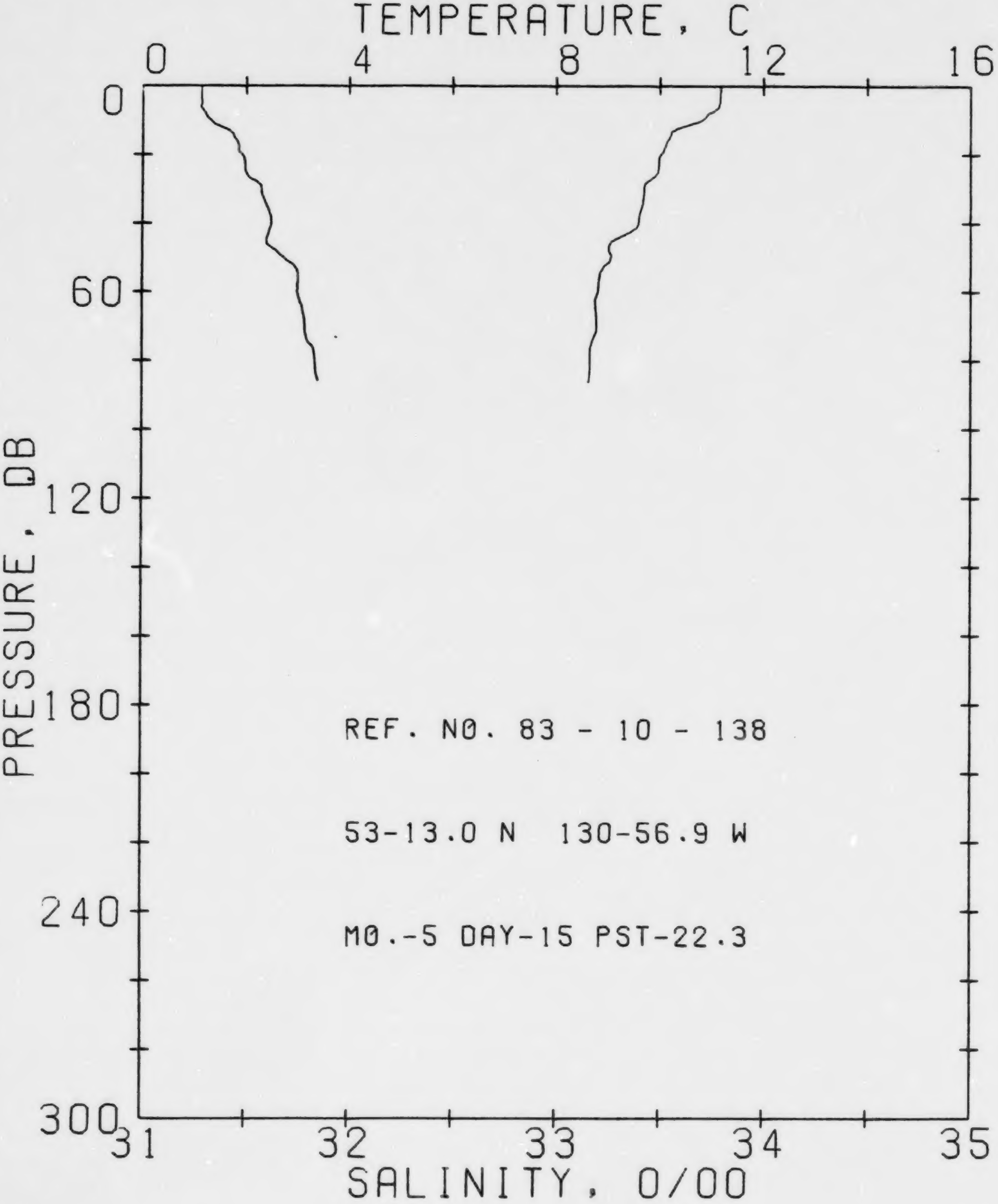
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 137
53-13.9 N 130-51.2 W
MO.-5 DAY-15 PST-21.8

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-137 DATE 15/ 5/83
POSITION 53-13.9N, 130-51.2W 21.8 STATION W 9
RESULTS OF STP CAST 120 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.44	31.20	0	23.94	397.2	.00	.00	1487.
10	10.25	31.18	10	23.96	395.8	.40	.02	1487.
20	9.66	31.23	20	24.09	383.4	.79	.08	1485.
30	8.83	31.42	30	24.37	357.2	1.16	.17	1482.
50	9.02	31.63	50	24.50	344.7	1.86	.46	1483.
75	8.65	31.87	75	24.75	321.7	2.70	1.00	1483.
100	8.04	32.33	99	25.20	279.1	3.46	1.67	1481.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60
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180
240
300
PRESSURE, DB
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32
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34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 138
53-13.0 N 130-56.9 W
MO.-5 DAY-15 PST-22.3

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-138          DATE 15/ 5/83
POSITION  53-13.0N, 130-56.9W        22.3       STATION W10
RESULTS OF STP CAST     87 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                     T               D       EN
   0    11.18    31.28       0    23.88   403.4     .00      .00   1490.
  10    10.80    31.33      10    23.98   393.9     .40      .02   1489.
  20    10.01    31.48      20    24.23   370.0     .78      .08   1486.
  30     9.70    31.58      30    24.36   358.4    1.14      .17   1485.
  50     9.05    31.69      50    24.54   341.0    1.85      .46   1483.
  75     8.68    31.81      75    24.70   326.8    2.68      .99   1483.
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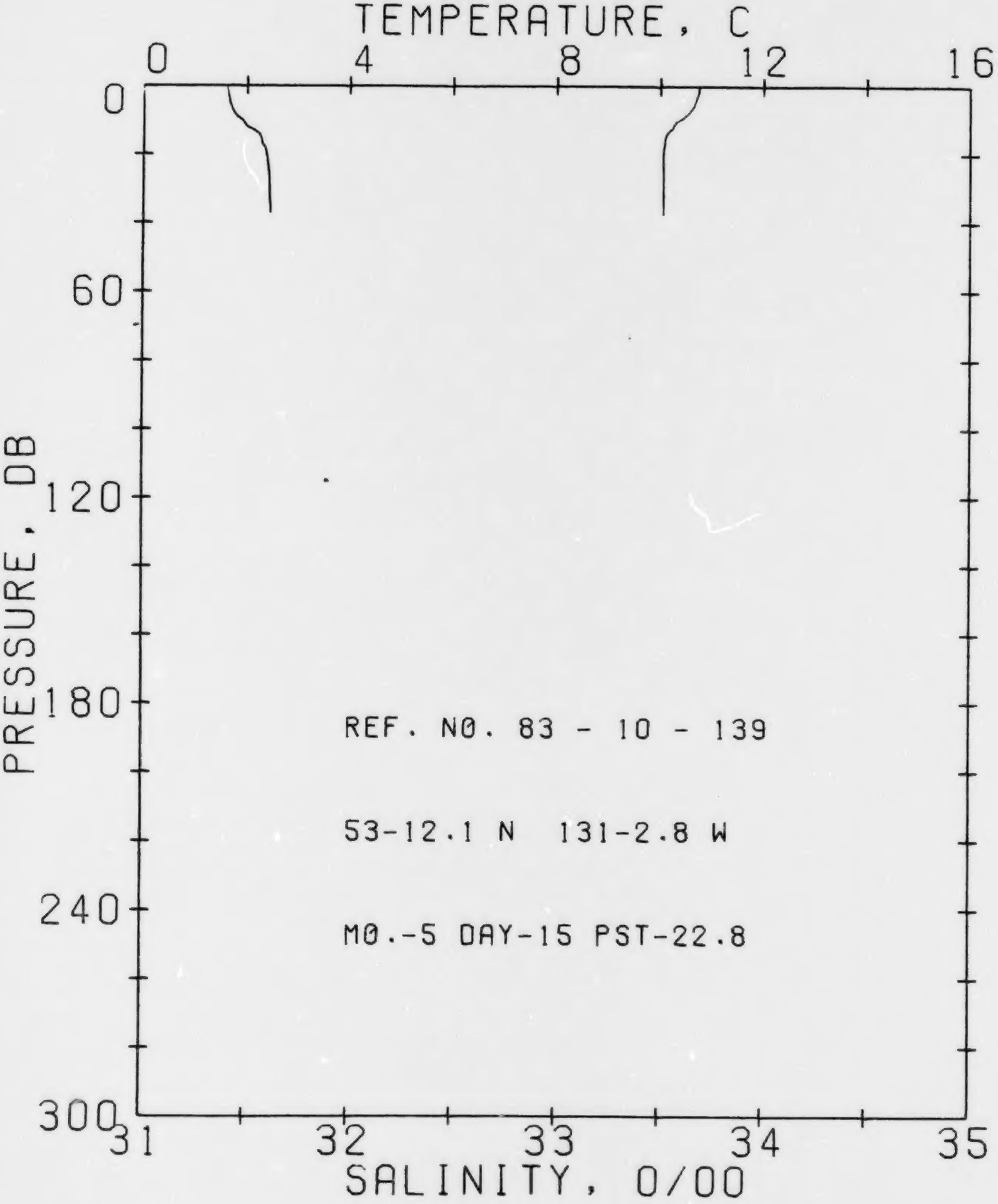
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REF. NO. 83 - 10 - 139
53-12.1 N 131-2.8 W
MO.-5 DAY-15 PST-22.8
31
32
33
34
35
SALINITY, O/OO

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-139          DATE 15/ 5/83
POSITION  53-12.1N, 131- 2.8W          22.8        STATION W11
RESULTS OF STP CAST     38 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T                D      EN
   0    10.76    31.40       0    24.05   387.6     .00      .00   1489.
  10    10.32    31.48      10    24.18   375.3     .38      .02   1487.
  20    10.06    31.60      20    24.31   362.4     .75      .08   1487.
  30    10.06    31.61      30    24.32   361.6    1.11      .17   1487.

PRES  DEPTH       TEMP     SAL       PRES  DEPTH       TEMP     SAL

  0.              10.76   31.40       19.             10.06   31.60
  1.              10.75   31.41       20.             10.06   31.60
  2.              10.74   31.41       21.             10.06   31.60
  3.              10.71   31.41       22.             10.05   31.60
  4.              10.69   31.42       23.             10.05   31.60
  5.              10.67   31.42       24.             10.06   31.60
  6.              10.63   31.42       25.             10.06   31.61
  7.              10.58   31.43       26.             10.06   31.61
  8.              10.53   31.44       27.             10.06   31.61
  9.              10.45   31.45       28.             10.06   31.61
 10.              10.32   31.48       29.             10.06   31.61
 11.              10.27   31.49       30.             10.06   31.61
 12.              10.24   31.50       31.             10.06   31.61
 13.              10.16   31.54       32.             10.06   31.61
 14.              10.12   31.56       33.             10.06   31.61
 15.              10.10   31.57       34.             10.06   31.61
 16.              10.09   31.57       35.             10.06   31.62
 17.              10.08   31.58       36.             10.06   31.62
 18.              10.07   31.59       37.             10.06   31.62
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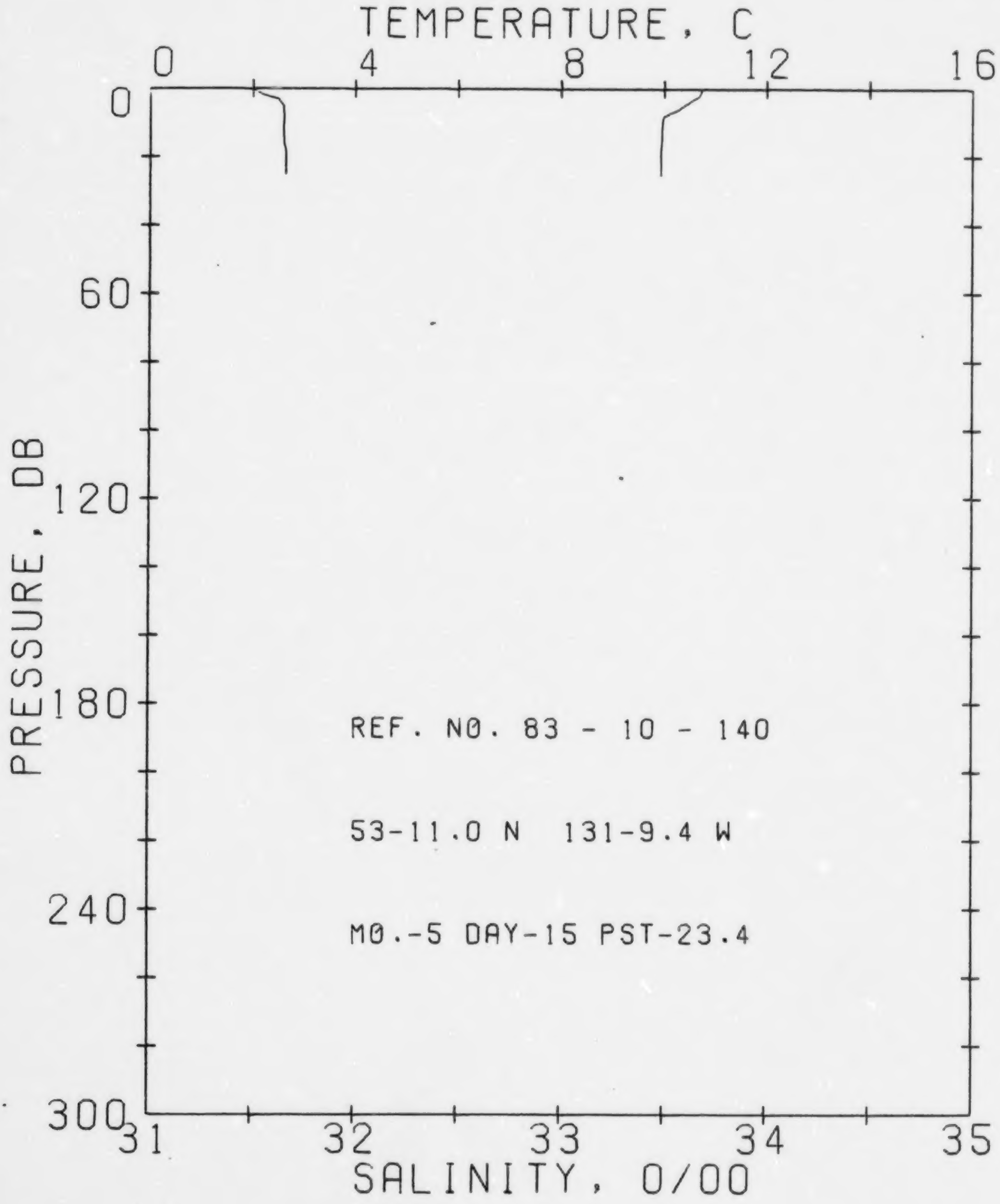
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SALINITY, O/OO
REF. NO. 83 - 10 - 140
53-11.0 N 131-9.4 W
MO.-5 DAY-15 PST-23.4

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-140          DATE 15/ 5/83
POSITION  53-11.0N, 131- 9.4W          23.4       STATION W12
RESULTS OF STP CAST    26 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   10.75   31.50       0    24.12  380.3     .00      .00   1489.
   10    9.97   31.65      10    24.37  356.9     .37      .02   1486.
   20    9.94   31.66      20    24.38  355.8     .72      .07   1486.

PRES  DEPTH      TEMP     SAL        PRES  DEPTH       TEMP     SAL

  0.            10.75   31.50         13.               9.96   31.65
  1.            10.72   31.53         14.               9.96   31.65
  2.            10.70   31.56         15.               9.95   31.65
  3.            10.58   31.63         16.               9.95   31.65
  4.            10.48   31.64         17.               9.94   31.66
  5.            10.37   31.65         18.               9.94   31.66
  6.            10.28   31.65         19.               9.94   31.66
  7.            10.11   31.65         20.               9.94   31.66
  8.            10.00   31.65         21.               9.94   31.66
  9.             9.97   31.65         22.               9.94   31.66
 10.             9.97   31.65         23.               9.94   31.66
 11.             9.96   31.65         24.               9.94   31.66
 12.             9.96   31.65         25.               9.94   31.66
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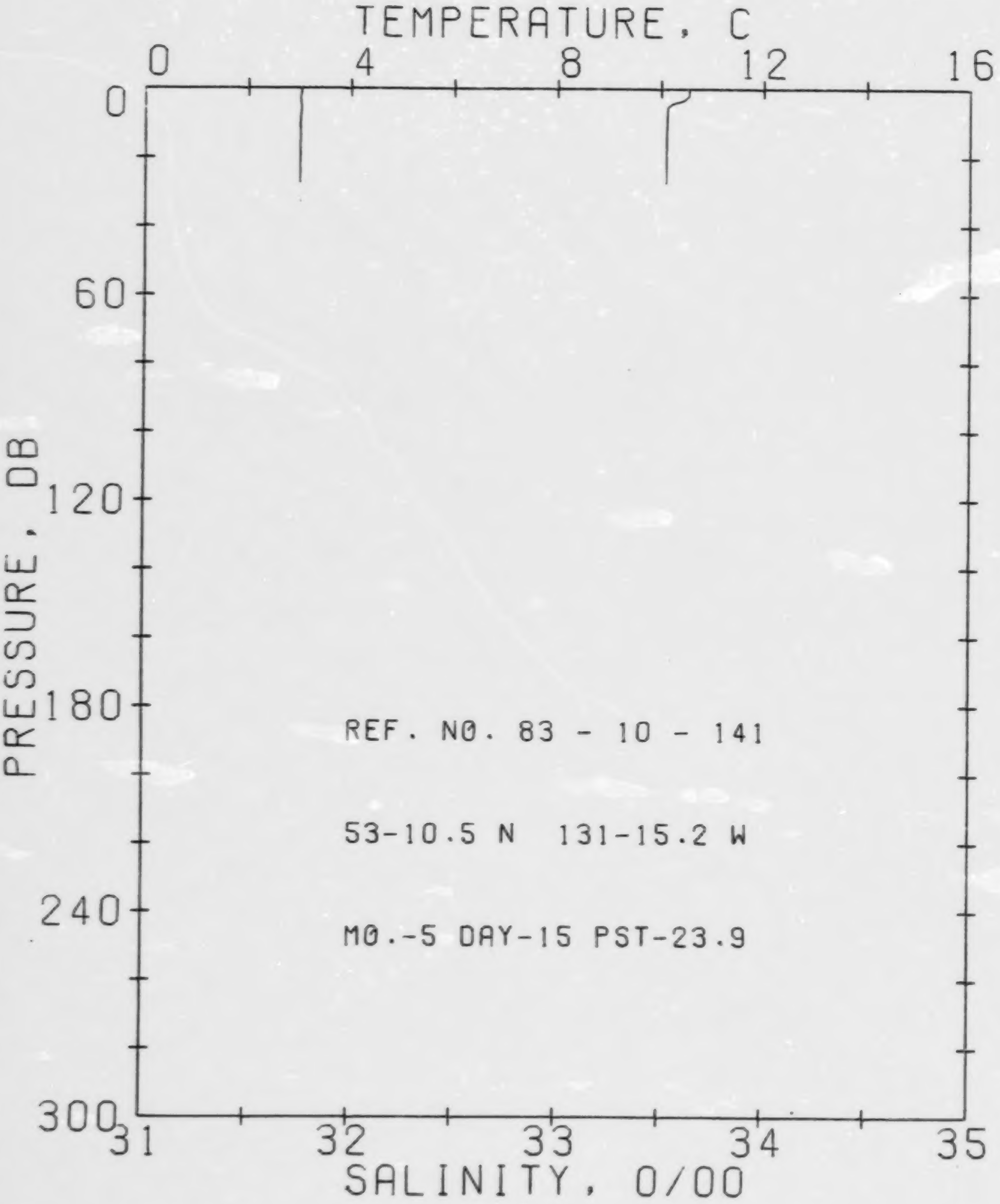
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SALINITY, 0/00
REF. N0. 83 - 10 - 141
53-10.5 N 131-15.2 W
M0.-5 DAY-15 PST-23.9

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-141          DATE 15/ 5/83
POSITION  53-10.5N, 131-15.2W         23.9       STATION W13
RESULTS OF STP CAST    28 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D      EN
    0   10.54   31.76        0    24.36  357.5     .00     .00   1488.
   10   10.11   31.75       10    24.42  351.7     .35     .02   1487.
   20   10.10   31.75       20    24.43  351.6     .71     .07   1487.

PRES  DEPTH      TEMP     SAL        PRES  DEPTH       TEMP     SAL

  0.             10.54   31.76        14.              10.10   31.75
  1.             10.55   31.76        15.              10.10   31.75
  2.             10.54   31.75        16.              10.11   31.75
  3.             10.45   31.75        17.              10.10   31.75
  4.             10.22   31.75        18.              10.10   31.75
  5.             10.13   31.76        19.              10.10   31.75
  6.             10.12   31.76        20.              10.10   31.75
  7.             10.12   31.76        21.              10.10   31.75
  8.             10.12   31.75        22.              10.11   31.75
  9.             10.12   31.75        23.              10.10   31.75
 10.             10.11   31.75        24.              10.10   31.75
 11.             10.11   31.75        25.              10.10   31.75
 12.             10.11   31.75        26.              10.11   31.75
 13.             10.11   31.75        27.              10.10   31.75
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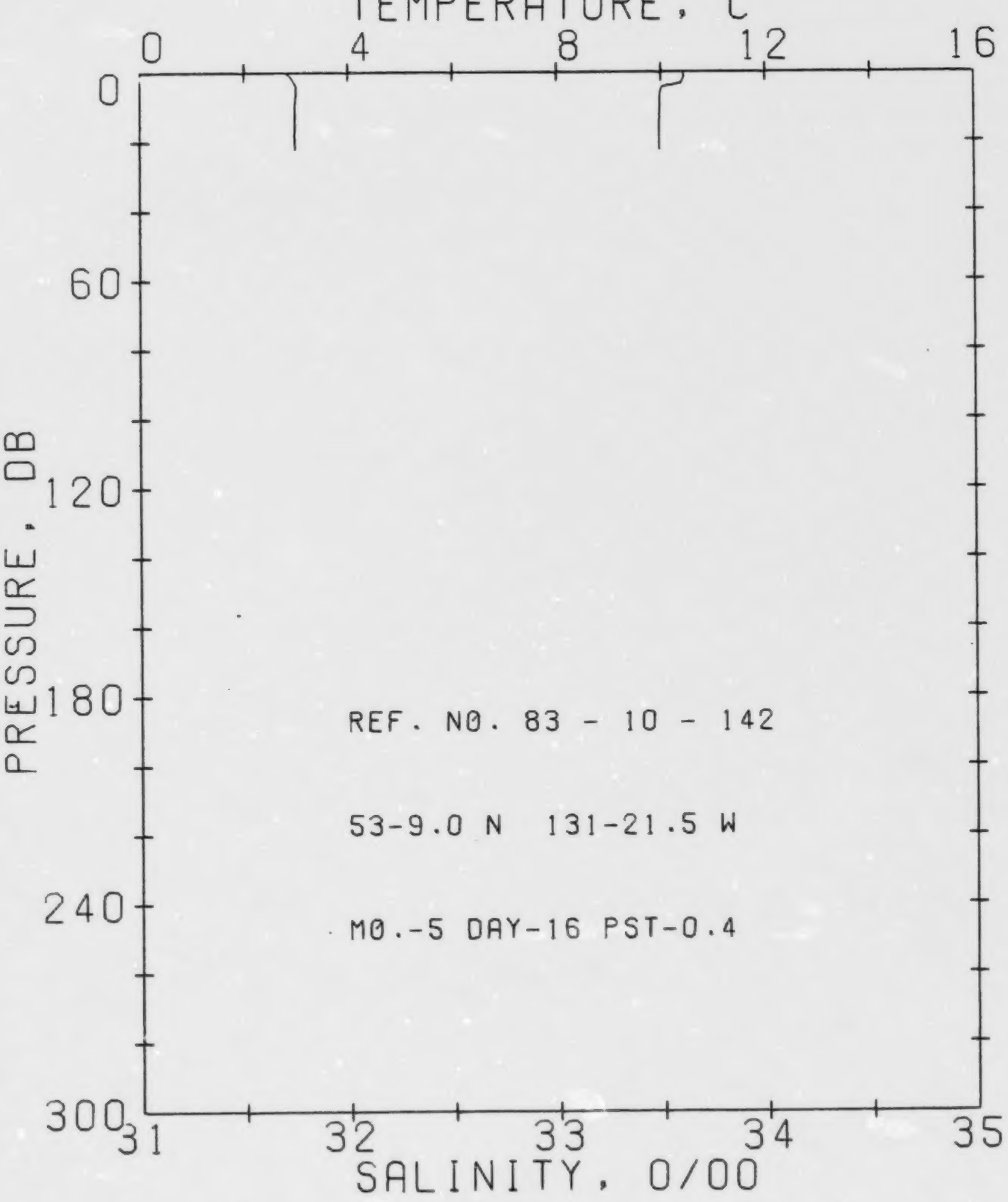
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PRESSURE, DB
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34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 142
53-9.0 N 131-21.5 W
MO.-5 DAY-16 PST-0.4

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-142         DATE 16/ 5/83
POSITION  53- 9.0N, 131-21.5W           .4      STATION W14
RESULTS OF STP CAST    23 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                   T               D       EN
   0    10.43   31.71       0    24.34  359.7     .00      .00   1488.
  10     9.98   31.74      10    24.44  350.2     .35      .02   1486.
  20     9.97   31.74      20    24.44  350.1     .70      .07   1486.

PRES  DEPTH      TEMP     SAL       PRES  DEPTH      TEMP     SAL

  0.            10.43   31.71        12.              9.98   31.74
  1.            10.46   31.72        13.              9.98   31.75
  2.            10.43   31.74        14.              9.97   31.74
  3.            10.40   31.75        15.              9.97   31.74
  4.            10.03   31.75        16.              9.97   31.75
  5.            10.01   31.75        17.              9.97   31.74
  6.             9.99   31.75        18.              9.98   31.74
  7.             9.99   31.75        19.              9.97   31.74
  8.             9.99   31.75        20.              9.97   31.74
  9.             9.99   31.74        21.              9.97   31.74
 10.             9.98   31.74        22.              9.97   31.75
 11.             9.98   31.74
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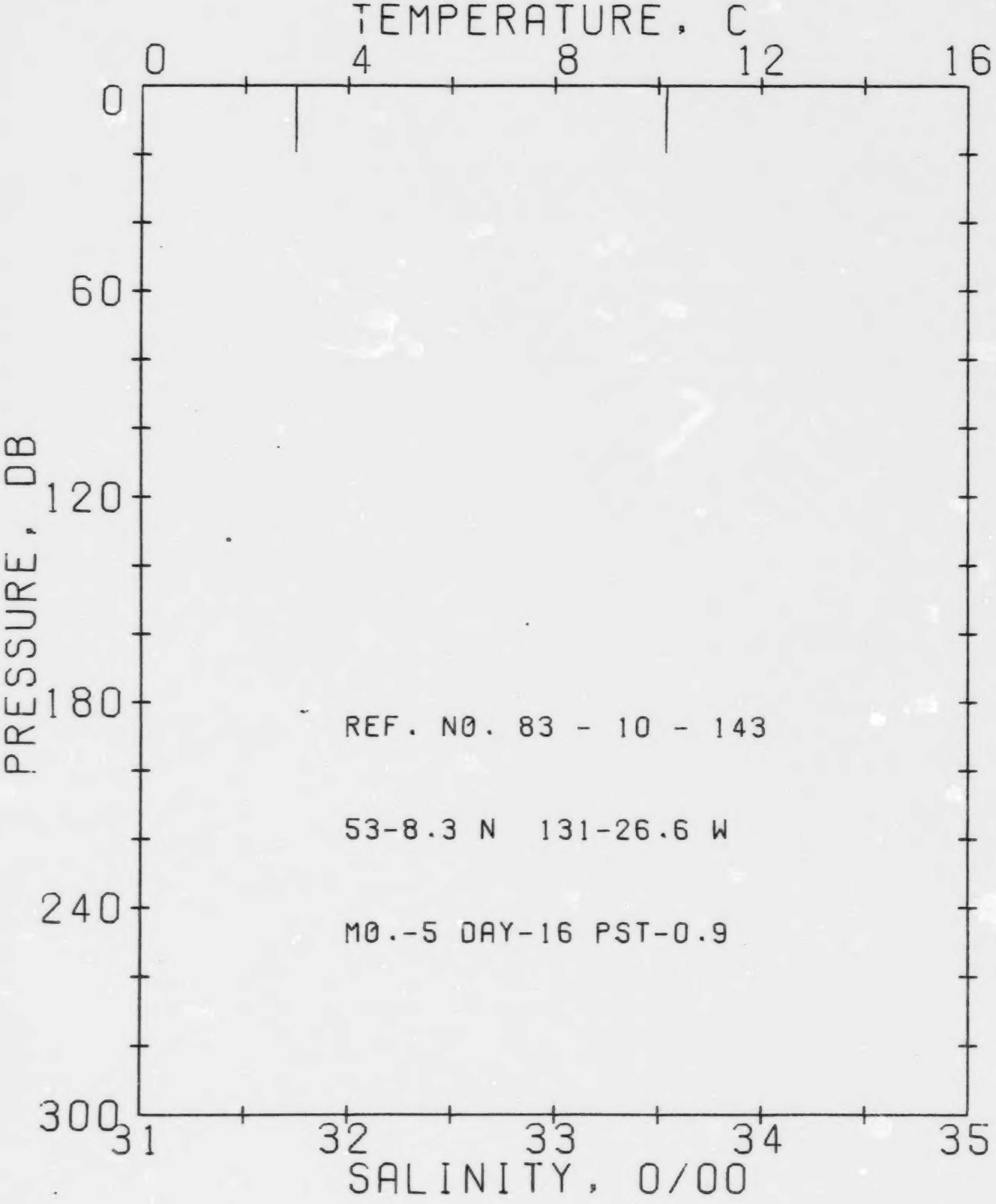
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4
8
12
16
0
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120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 143
53-8.3 N 131-26.6 W
MO.-5 DAY-16 PST-0.9

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-143          DATE 16/ 5/83
POSITION  53- 8.3N, 131-26.6W            .9      STATION W15
RESULTS OF STP CAST    20 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    10.17    31.75       0    24.41  352.5     .00      .00   1487.
  10    10.15    31.75      10    24.41  352.6     .35      .02   1487.
  20    10.15    31.75      20    24.42  352.7     .71      .07   1487.

PRES   DEPTH      TEMP     SAL        PRES   DEPTH       TEMP     SAL

  0.              10.17   31.75        10.              10.15   31.75
  1.              10.17   31.75        11.              10.15   31.75
  2.              10.17   31.75        12.              10.15   31.75
  3.              10.17   31.75        13.              10.15   31.75
  4.              10.16   31.75        14.              10.15   31.75
  5.              10.15   31.75        15.              10.15   31.75
  6.              10.15   31.75        16.              10.15   31.75
  7.              10.16   31.75        17.              10.15   31.75
  8.              10.16   31.75        18.              10.15   31.75
  9.              10.16   31.75        19.              10.15   31.75
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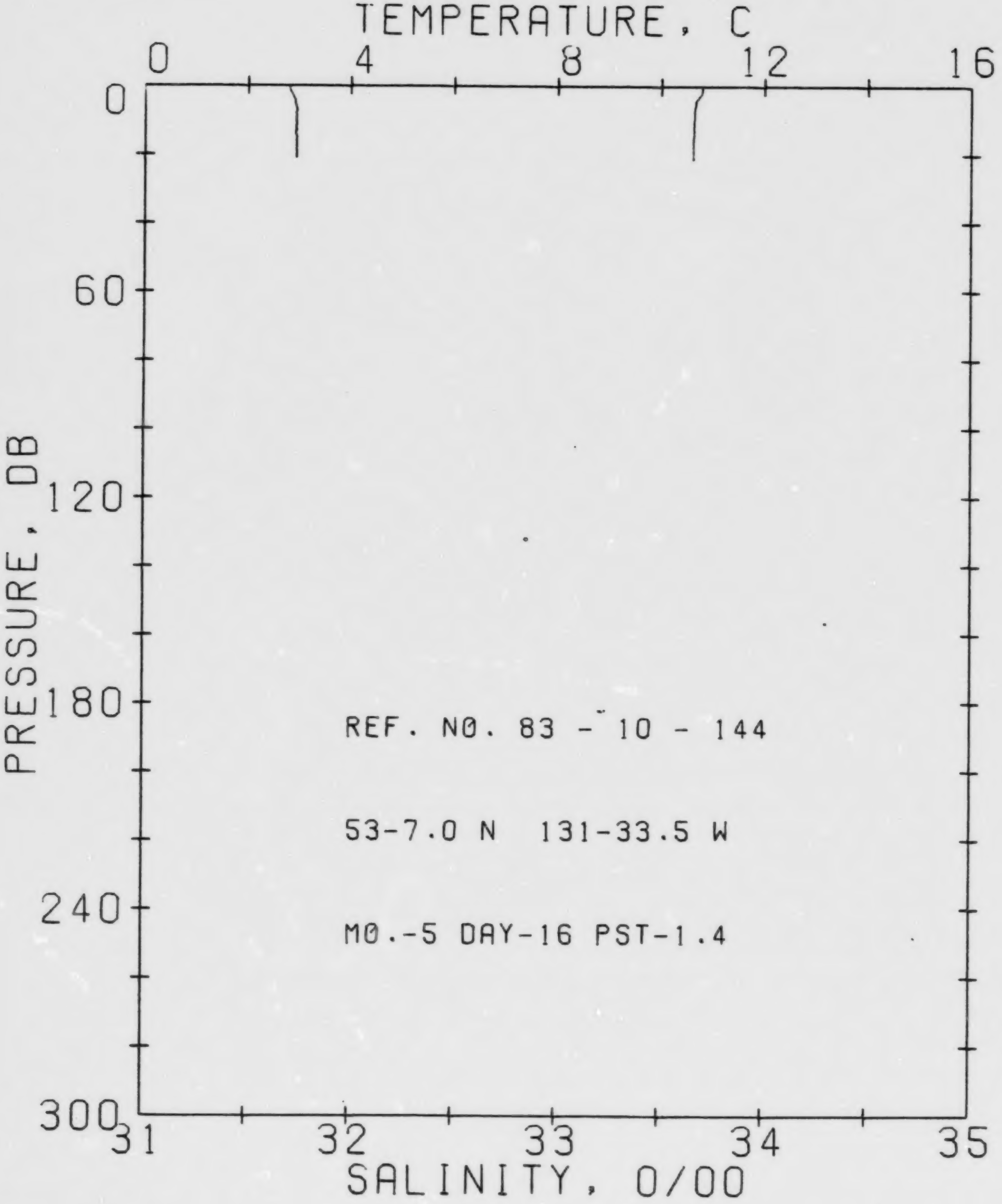
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4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 83 - 10 - 144
53-7.0 N 131-33.5 W
M0.-5 DAY-16 PST-1.4

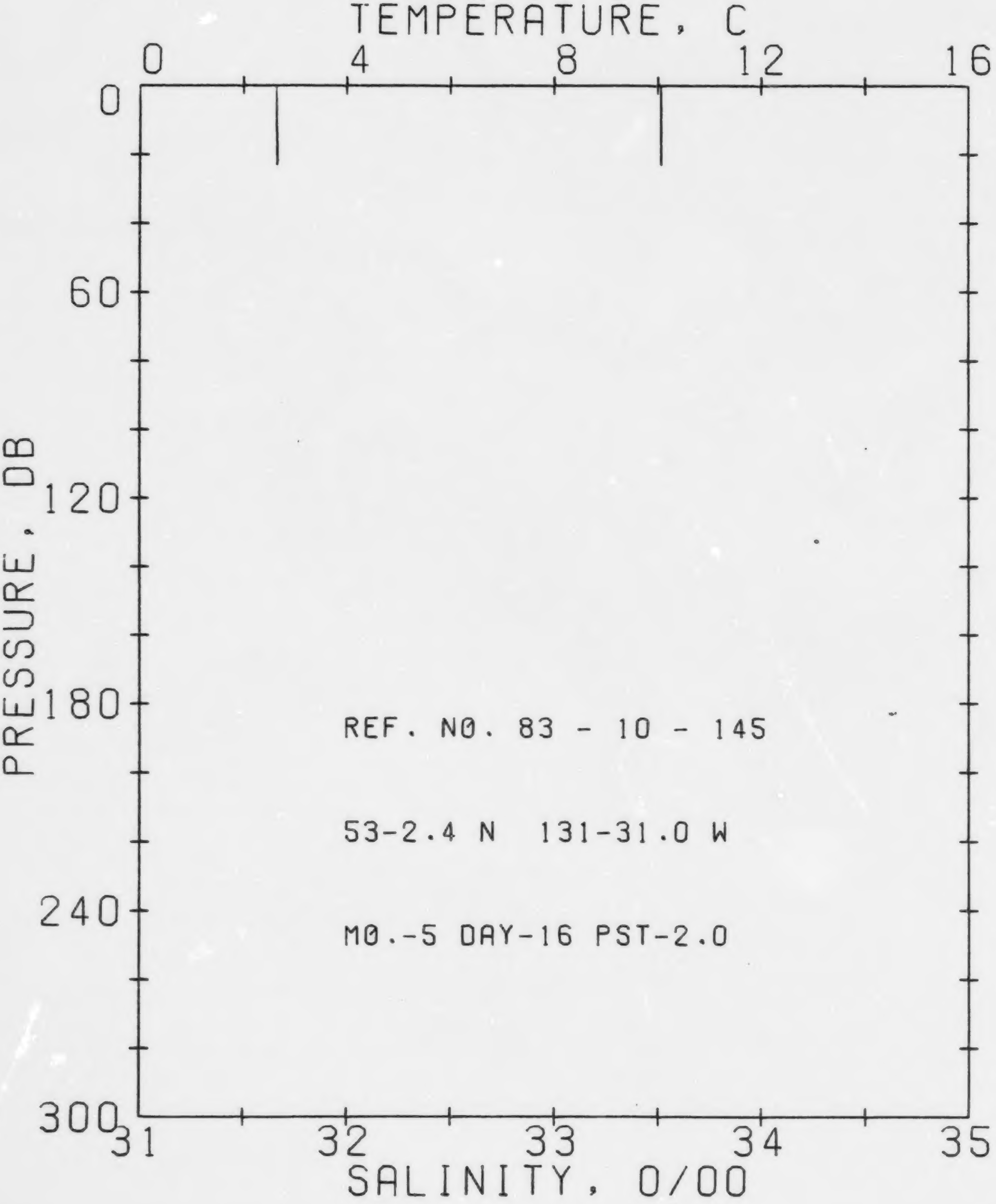
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-144        DATE 16/ 5/83
POSITION  53- 7.0N, 131-33.5W        1.4      STATION W16
RESULTS OF STP CAST    22 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                     T                D      EN
    0   10.80    31.70        0    24.27  366.2     .00      .00  1489.
   10   10.63    31.73       10    24.32  361.4     .36      .02  1489.
   20   10.62    31.73       20    24.33  361.2     .72      .07  1489.

PRES  DEPTH       TEMP     SAL        PRES  DEPTH       TEMP     SAL

  0.              10.80   31.70        11.              10.63   31.74
  1.              10.80   31.70        12.              10.63   31.73
  2.              10.79   31.71        13.              10.63   31.73
  3.              10.73   31.72        14.              10.64   31.73
  4.              10.67   31.73        15.              10.62   31.74
  5.              10.68   31.73        16.              10.62   31.73
  6.              10.65   31.74        17.              10.62   31.73
  7.              10.64   31.74        18.              10.62   31.73
  8.              10.64   31.73        19.              10.62   31.73
  9.              10.64   31.73        20.              10.62   31.73
 10.              10.63   31.73        21.              10.62   31.73
```

250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4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 145
53-2.4 N 131-31.0 W
MO.-5 DAY-16 PST-2.0

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-145         DATE 16/ 5/83
POSITION  53- 2.4N, 131-31.0W         2.0      STATION W17
RESULTS OF STP CAST    24 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP      SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                     T                D        EN
    0   10.06    31.66        0    24.36   357.4      .00      .00   1486.
   10   10.06    31.66       10    24.36   357.6      .36      .02   1486.
   20   10.06    31.66       20    24.36   357.6      .72      .07   1487.


PRES  DEPTH       TEMP     SAL        PRES  DEPTH        TEMP     SAL

  0.             10.06   31.66         12.              10.06   31.66
  1.             10.06   31.66         13.              10.06   31.66
  2.             10.06   31.66         14.              10.06   31.66
  3.             10.06   31.66         15.              10.06   31.66
  4.             10.06   31.66         16.              10.06   31.66
  5.             10.06   31.66         17.              10.06   31.66
  6.             10.06   31.66         18.              10.06   31.66
  7.             10.06   31.66         19.              10.06   31.66
  8.             10.06   31.66         20.              10.06   31.66
  9.             10.06   31.66         21.              10.06   31.66
 10.             10.06   31.66         22.              10.06   31.66
 11.             10.06   31.66         23.              10.06   31.66
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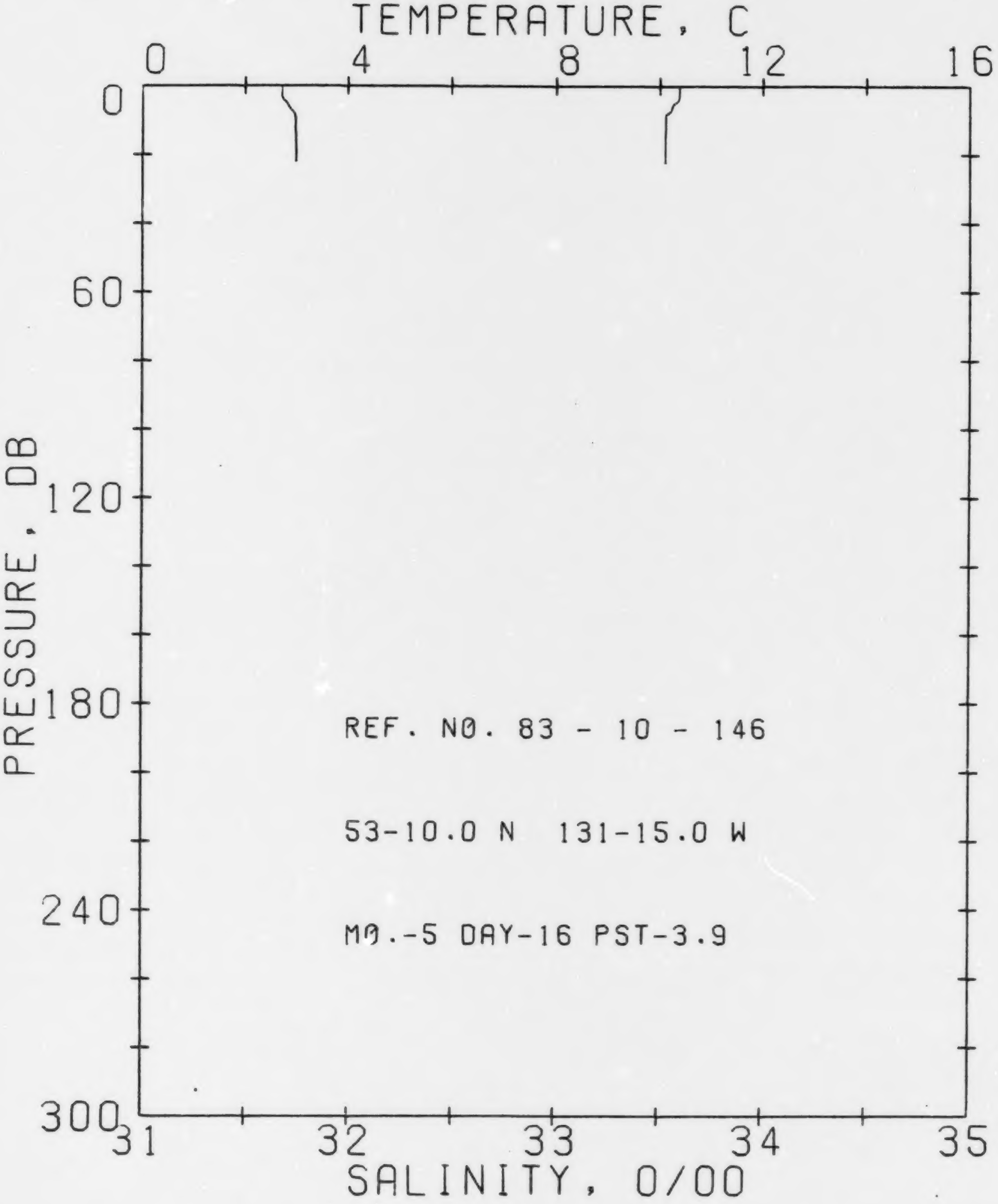
TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 146
53-10.0 N 131-15.0 W
MO.-5 DAY-16 PST-3.9

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-146          DATE 16/ 5/83
POSITION  53-10.0N, 131-15.0W          3.9       STATION W13
RESULTS OF STP CAST    23 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D       EN
    0   10.38   31.68        0   24.32  361.1     .00      .00  1488.
   10   10.11   31.74       10   24.42  352.2     .36      .02  1487.
   20   10.11   31.75       20   24.42  352.1     .71      .07  1487.

PRES  DEPTH      TEMP      SAL        PRES  DEPTH       TEMP     SAL

  0.            10.38    31.68         12.             10.11   31.74
  1.            10.38    31.68         13.             10.11   31.74
  2.            10.39    31.68         14.             10.11   31.75
  3.            10.38    31.68         15.             10.11   31.75
  4.            10.37    31.69         16.             10.11   31.75
  5.            10.27    31.71         17.             10.11   31.75
  6.            10.24    31.71         18.             10.11   31.75
  7.            10.22    31.73         19.             10.11   31.75
  8.            10.12    31.74         20.             10.11   31.75
  9.            10.11    31.74         21.             10.11   31.75
 10.            10.11    31.74         22.             10.11   31.75
 11.            10.11    31.74
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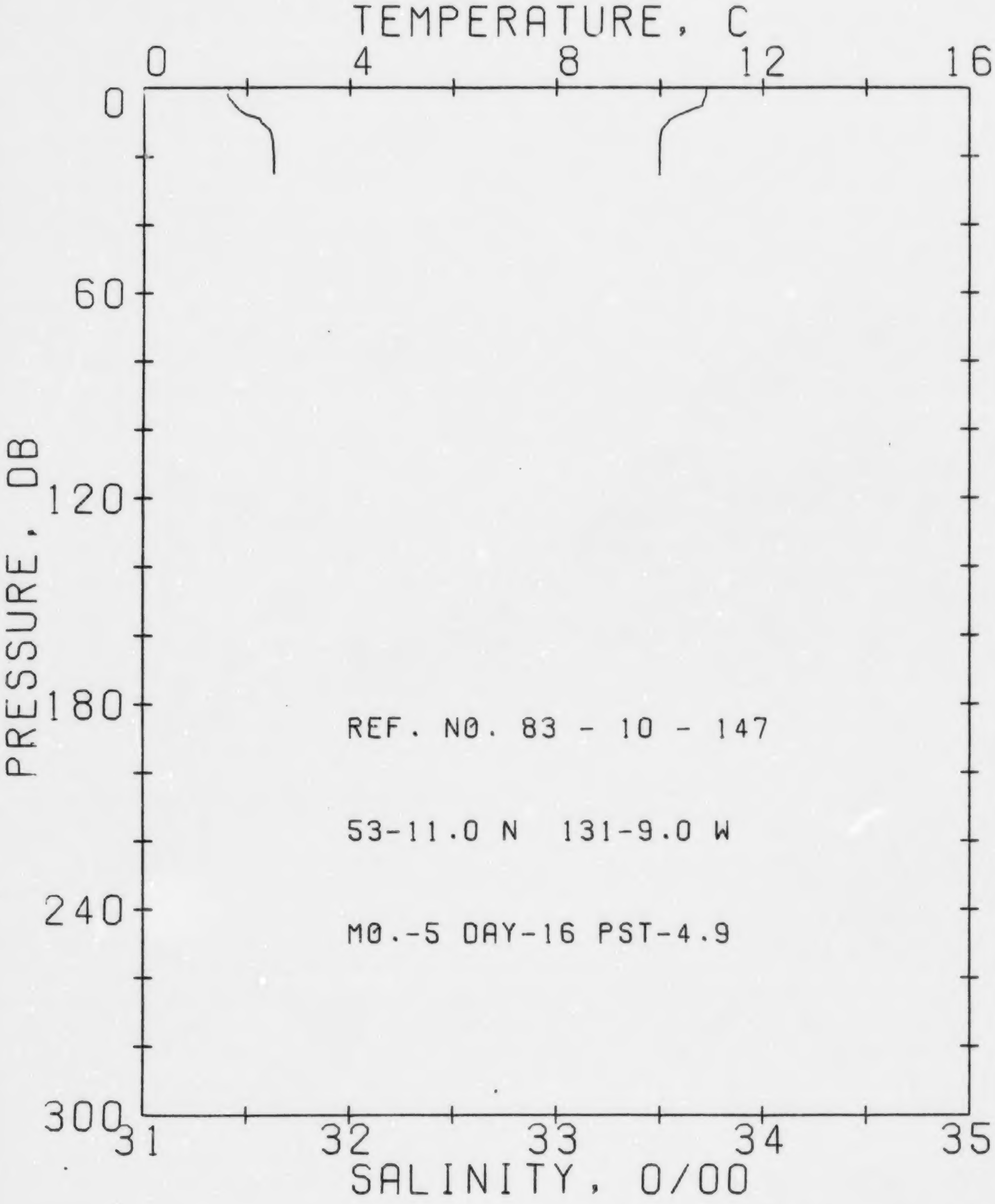
TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. N0. 83 - 10 - 147
53-11.0 N 131-9.0 W
M0.-5 DAY-16 PST-4.9
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-147         DATE 16/ 5/83
POSITION  53-11.0N, 131- 9.0W         4.9      STATION W12
RESULTS OF STP CAST    26 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA   DELTA    POT.   SOUND
                                   T               D      EN
    0   10.90   31.41       0    24.03  389.3     .00     .00   1489.
   10   10.15   31.57      10    24.28  365.8     .38     .02   1487.
   20    9.99   31.63      20    24.35  358.8     .74     .07   1486.

PRES  DEPTH       TEMP     SAL        PRES  DEPTH       TEMP     SAL

  0.             10.90   31.41         13.             10.02   31.62
  1.             10.90   31.41         14.             10.01   31.62
  2.             10.90   31.40         15.             10.00   31.62
  3.             10.86   31.41         16.              9.99   31.63
  4.             10.84   31.43         17.              9.99   31.63
  5.             10.83   31.44         18.              9.99   31.63
  6.             10.64   31.46         19.              9.99   31.63
  7.             10.46   31.48         20.              9.99   31.63
  8.             10.32   31.50         21.              9.99   31.63
  9.             10.19   31.57         22.              9.99   31.63
 10.             10.15   31.57         23.              9.99   31.63
 11.             10.09   31.59         24.              9.99   31.63
 12.             10.04   31.61         25.              9.99   31.63
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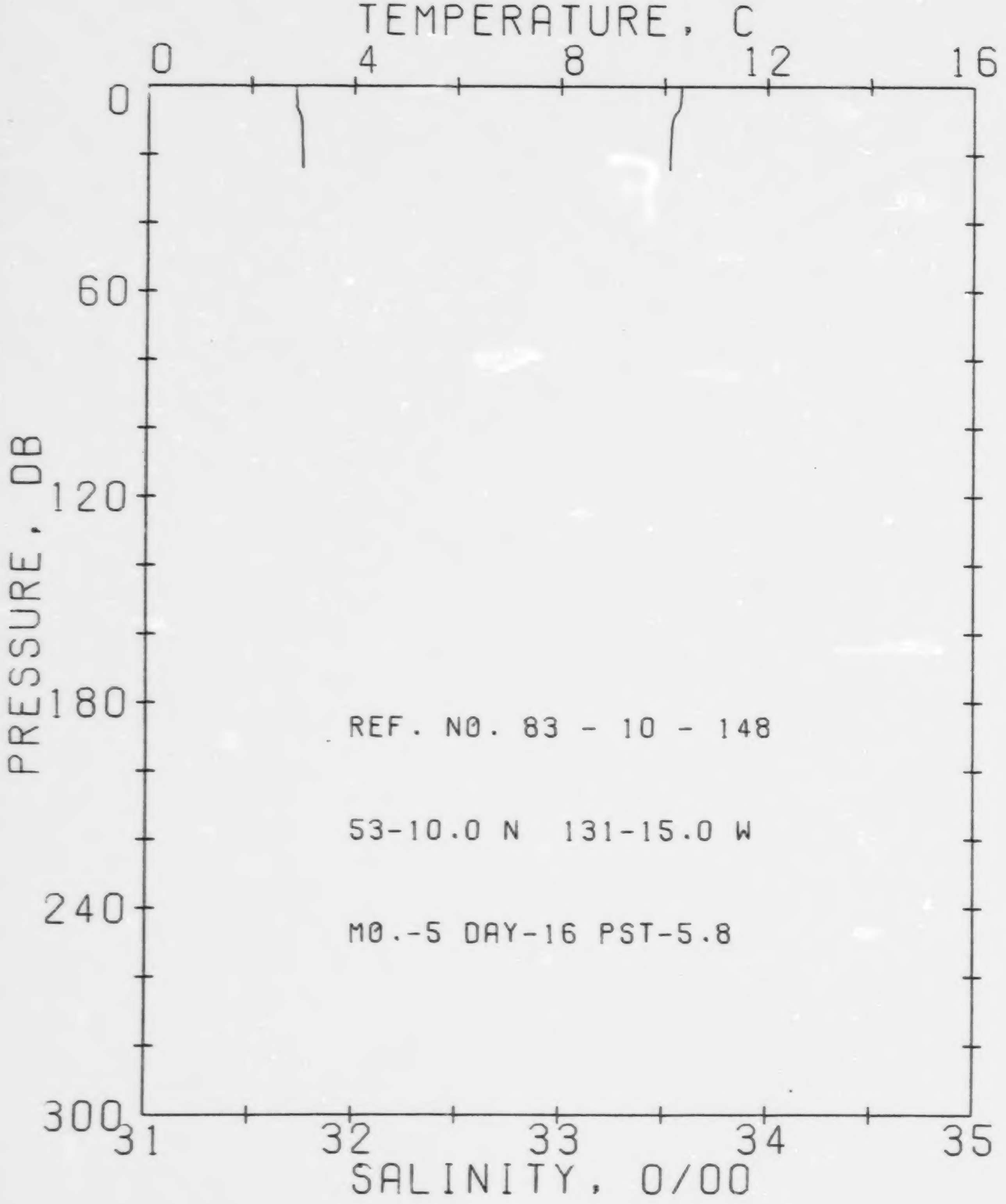
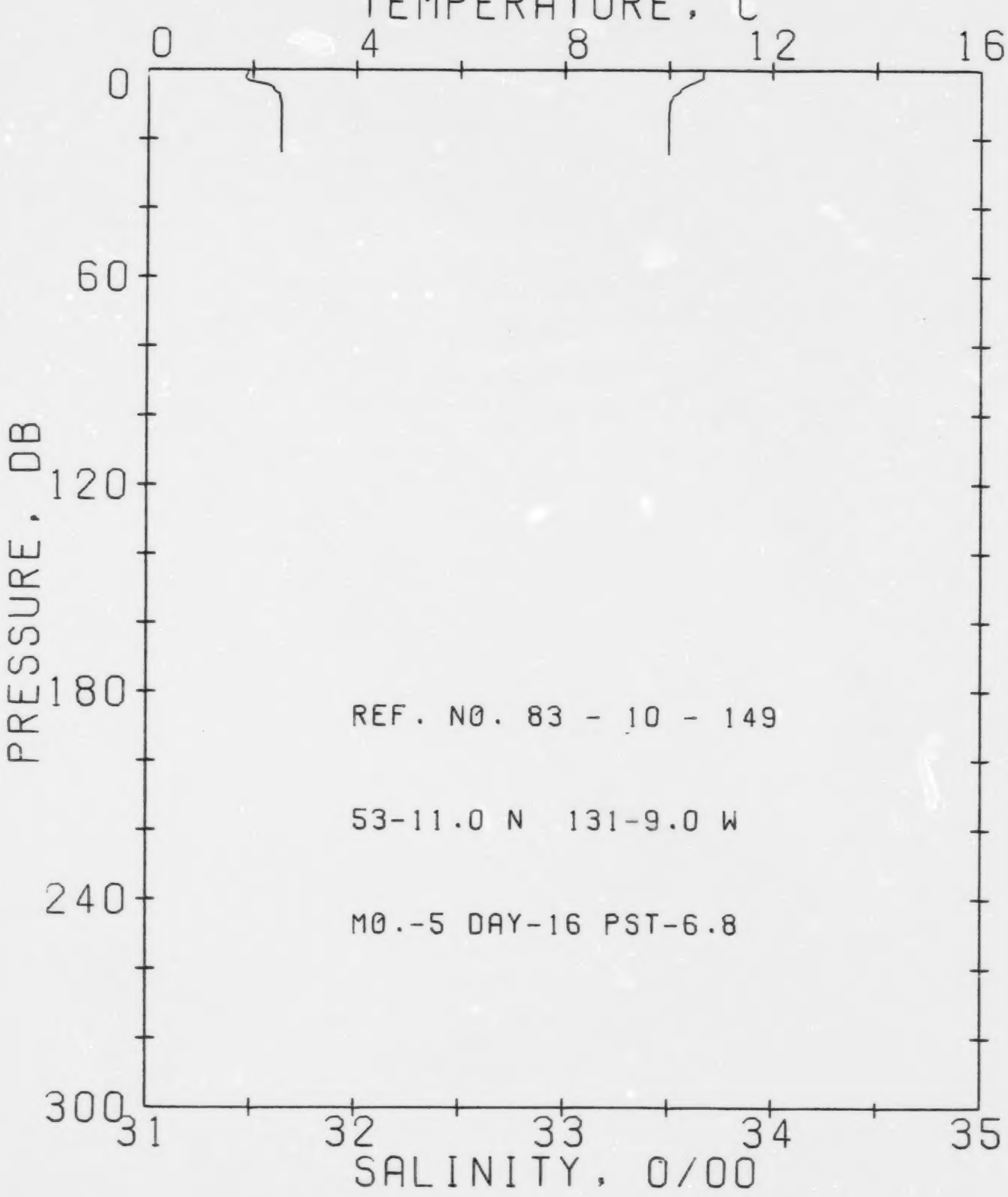

TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 83 - 10 - 148
53-10.0 N 131-15.0 W
MO.-5 DAY-16 PST-5.8
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-148         DATE 16/ 5/83
POSITION  53-10.0N, 131-15.0W         5.8      STATICN W13
RESULTS OF STP CAST    25 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH     SIGMA    SVA    DELTA    POT.    SOUND
                                     T                D      EN
   0   10.33    31.72        0    24.36  357.4      .00      .00   1487.
  10   10.16    31.74       10    24.41  353.0      .36      .02   1487.
  20   10.11    31.75       20    24.42  352.0      .71      .07   1487.

PRES  DEPTH       TEMP     SAL       PRES  DEPTH       TEMP     SAL

  0.             10.33   31.72        13.             10.14   31.74
  1.             10.33   31.72        14.             10.13   31.74
  2.             10.32   31.72        15.             10.13   31.75
  3.             10.32   31.72        16.             10.13   31.75
  4.             10.32   31.72        17.             10.12   31.75
  5.             10.31   31.72        18.             10.12   31.75
  6.             10.30   31.72        19.             10.12   31.75
  7.             10.27   31.73        20.             10.11   31.75
  8.             10.21   31.73        21.             10.11   31.75
  9.             10.18   31.74        22.             10.11   31.75
 10.             10.16   31.74        23.             10.11   31.75
 11.             10.15   31.74        24.             10.11   31.75
 12.             10.15   31.74
```

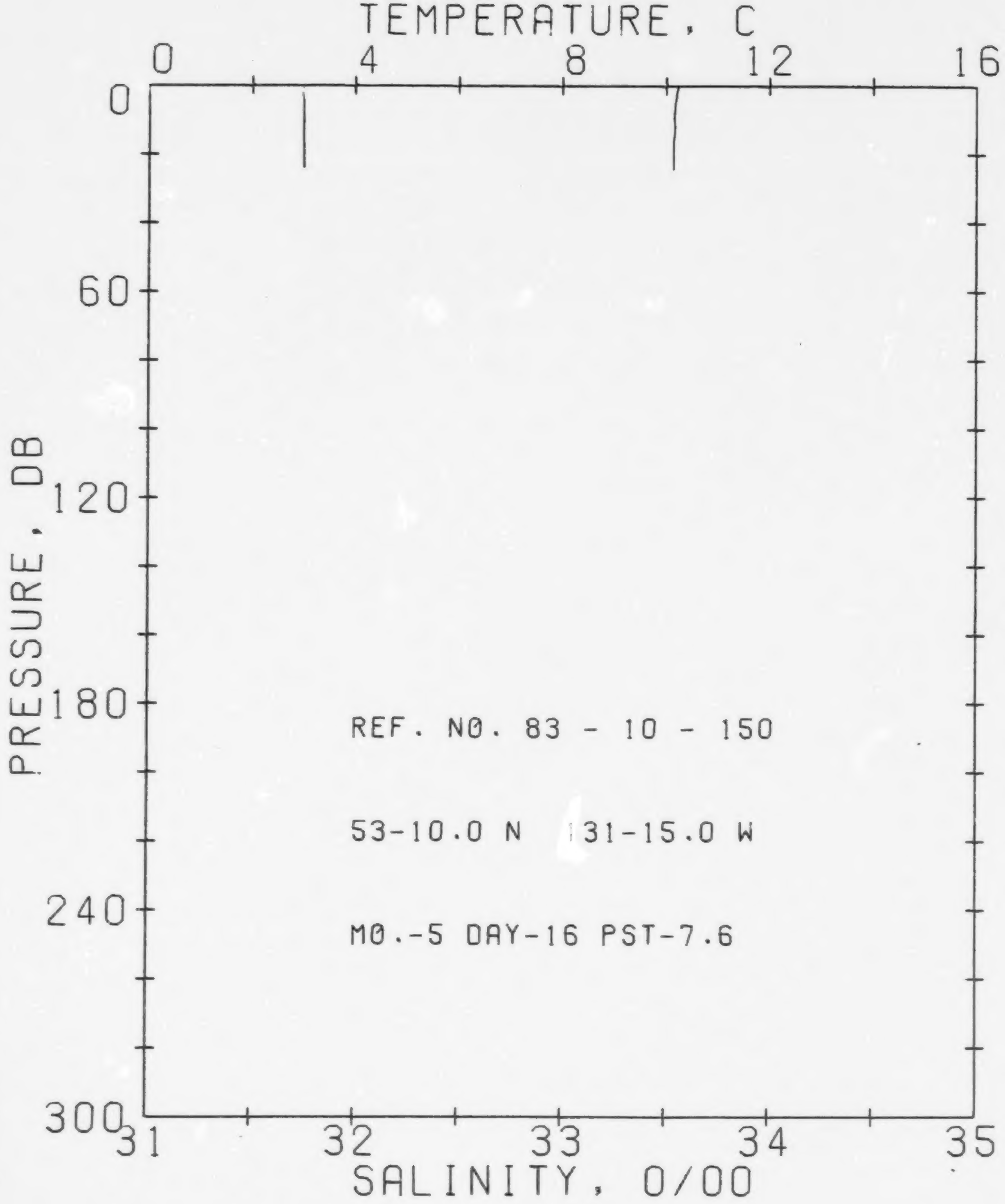

TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 83 - 10 - 149
53-11.0 N 131-9.0 W
M0.-5 DAY-16 PST-6.8

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-149          DATE 16/ 5/83
POSITION  53-11.0N, 131- 9.0W          6.8      STATION W12
RESULTS OF STP CAST    25 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0   10.66    31.48       0    24.12   380.4     .00      .00   1488.
  10   10.01    31.64      10    24.36   358.2     .37      .02   1486.
  20    9.99    31.64      20    24.36   358.4     .73      .07   1486.


PRES   DEPTH        TEMP     SAL          PRES   DEPTH         TEMP     SAL

  0.               10.66    31.48          13.                  9.99    31.64
  1.               10.67    31.47          14.                 10.00    31.64
  2.               10.68    31.46          15.                 10.00    31.64
  3.               10.53    31.48          16.                 10.00    31.64
  4.               10.38    31.56          17.                 10.00    31.64
  5.               10.25    31.60          18.                 10.00    31.64
  6.               10.22    31.61          19.                 10.00    31.64
  7.               10.10    31.63          20.                  9.99    31.64
  8.               10.07    31.63          21.                  9.99    31.64
  9.               10.02    31.63          22.                  9.99    31.64
 10.               10.01    31.64          23.                  9.99    31.64
 11.               10.01    31.64          24.                  9.99    31.64
 12.               10.00    31.64
```

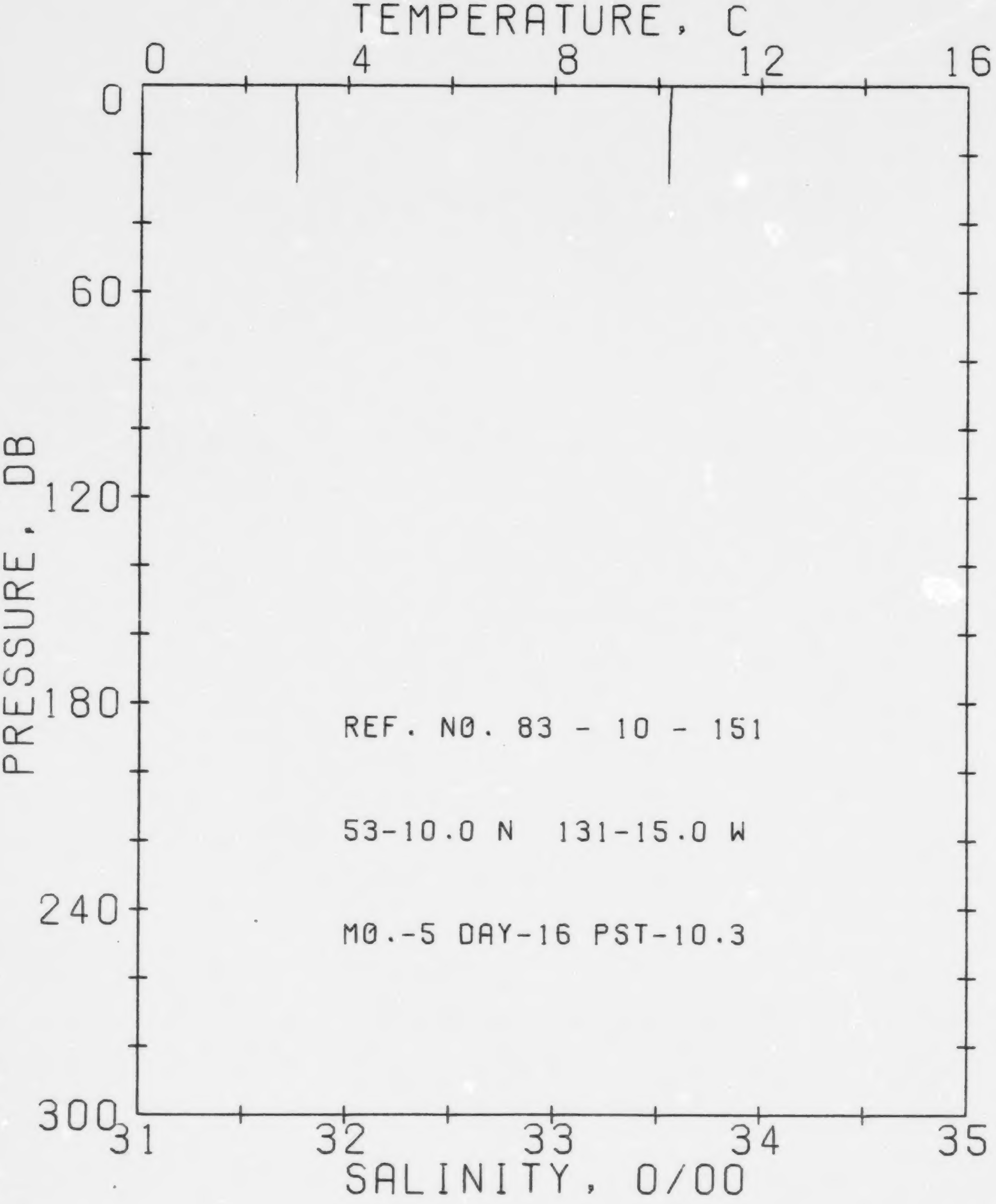

TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 150
53-10.0 N 131-15.0 W
MO.-5 DAY-16 PST-7.6

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-150        DATE 16/ 5/83
POSITION  53-10.0N, 131-15.0W          7.6       STATION W13
RESULTS OF STP CAST    25 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T                D       EN
    0   10.24   31.75        0    24.40  353.7     .00      .00   1487.
   10   10.16   31.75       10    24.42  352.5     .35      .02   1487.
   20   10.15   31.75       20    24.42  352.6     .71      .07   1487.

PRES   DEPTH      TEMP     SAL       PRES   DEPTH      TEMP     SAL

  0.             10.24   31.75        13.             10.17   31.75
  1.             10.22   31.75        14.             10.16   31.75
  2.             10.20   31.74        15.             10.15   31.75
  3.             10.21   31.75        16.             10.15   31.75
  4.             10.19   31.75        17.             10.15   31.75
  5.             10.18   31.75        18.             10.15   31.75
  6.             10.18   31.75        19.             10.15   31.75
  7.             10.17   31.75        20.             10.15   31.75
  8.             10.16   31.75        21.             10.15   31.75
  9.             10.16   31.75        22.             10.15   31.75
 10.             10.16   31.75        23.             10.15   31.75
 11.             10.17   31.75        24.             10.15   31.75
 12.             10.17   31.75
```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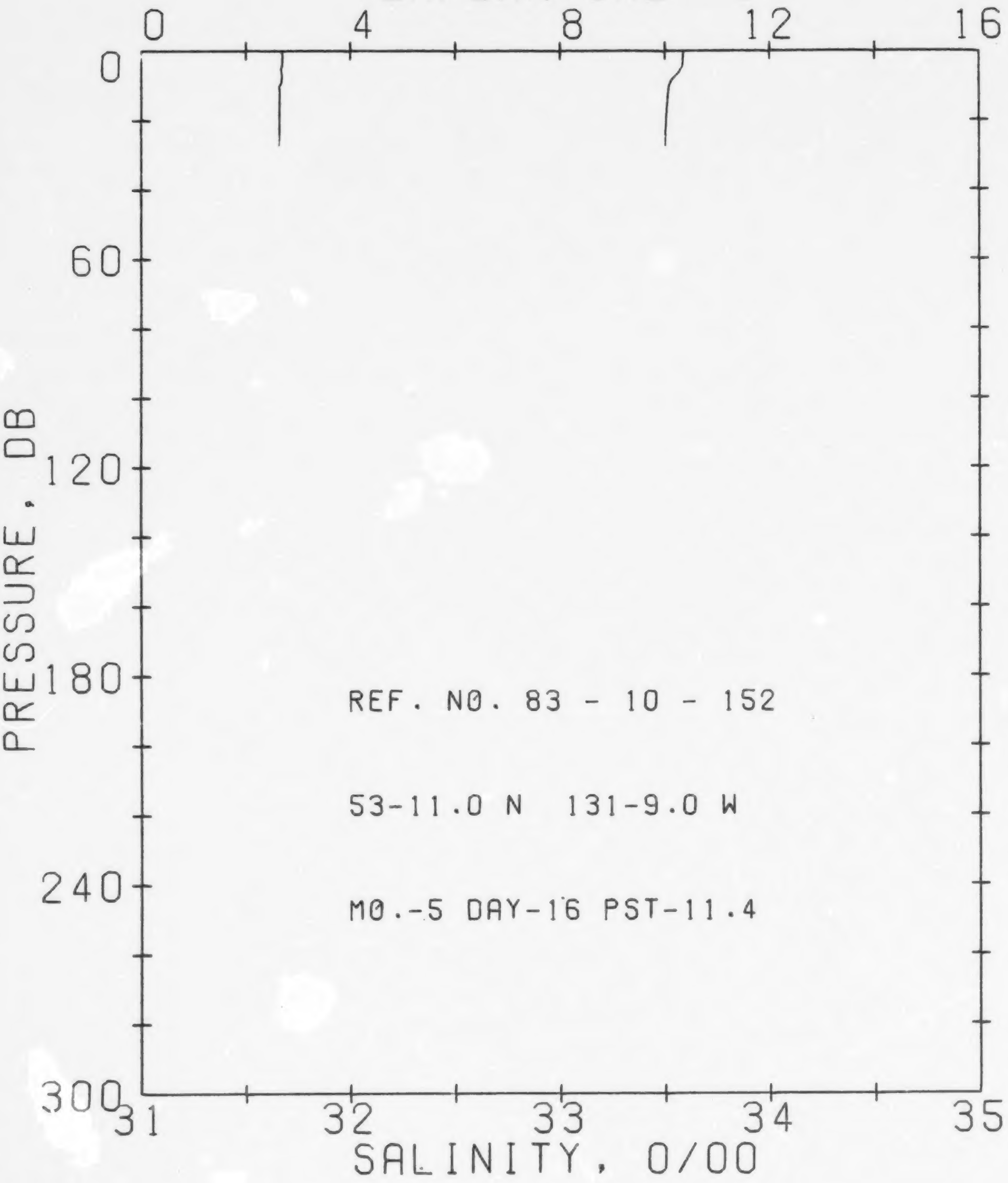
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. N0. 83 - 10 - 151
53-10.0 N 131-15.0 W
M0.-5 DAY-16 PST-10.3
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-151          DATE 16/ 5/83
POSITION  53-10.0N, 131-15.0W          10.3       STATION W13
RESULTS OF STP CAST    29 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH   SIGMA    SVA   DELTA    POT.   SOUND
                                  T               D      EN
    0   10.26   31.75       0   24.40  353.8     .00     .00   1487.
   10   10.23   31.75      10   24.40  353.6     .35     .02   1487.
   20   10.21   31.75      20   24.41  353.3     .71     .07   1487.

PRES  DEPTH        TEMP     SAL         PRES  DEPTH       TEMP     SAL

  0.              10.26   31.75          15.             10.21   31.75
  1.              10.26   31.75          16.             10.21   31.75
  2.              10.25   31.75          17.             10.21   31.75
  3.              10.25   31.74          18.             10.21   31.75
  4.              10.23   31.74          19.             10.21   31.75
  5.              10.23   31.75          20.             10.21   31.75
  6.              10.24   31.75          21.             10.21   31.75
  7.              10.24   31.75          22.             10.21   31.75
  8.              10.24   31.75          23.             10.21   31.75
  9.              10.23   31.75          24.             10.20   31.75
 10.              10.23   31.75          25.             10.20   31.75
 11.              10.22   31.75          26.             10.20   31.75
 12.              10.21   31.75          27.             10.20   31.75
 13.              10.21   31.75          28.             10.21   31.75
 14.              10.21   31.75
```



REF. NO. 83 - 10 - 152

53-11.0 N 131-9.0 W

MO.-5 DAY-16 PST-11.4

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-152         DATE 16/ 5/83
POSITION  53-11.0N, 131- 9.0W         11.4       STATION W12
RESULTS OF STP CAST    28 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP      SAL    DEPTH    SIGMA     SVA    DELTA    POT.    SOUND
                                     T                D       EN
   0    10.36    31.67        0    24.32   361.4     .00      .00   1487.
  10    10.08    31.66       10    24.36   358.1     .36      .02   1487.
  20    10.03    31.66       20    24.37   357.3     .72      .07   1487.


PRES   DEPTH       TEMP     SAL        PRES   DEPTH        TEMP     SAL

  0.               10.36   31.67        14.                10.06   31.66
  1.               10.36   31.68        15.                10.05   31.66
  2.               10.35   31.68        16.                10.04   31.66
  3.               10.35   31.68        17.                10.04   31.66
  4.               10.35   31.67        18.                10.04   31.66
  5.               10.31   31.67        19.                10.03   31.66
  6.               10.28   31.67        20.                10.03   31.66
  7.               10.21   31.67        21.                10.03   31.66
  8.               10.14   31.67        22.                10.02   31.66
  9.               10.11   31.67        23.                10.01   31.66
 10.               10.08   31.66        24.                10.02   31.66
 11.               10.08   31.66        25.                10.01   31.66
 12.               10.07   31.66        26.                10.01   31.66
 13.               10.06   31.66        27.                10.01   31.66
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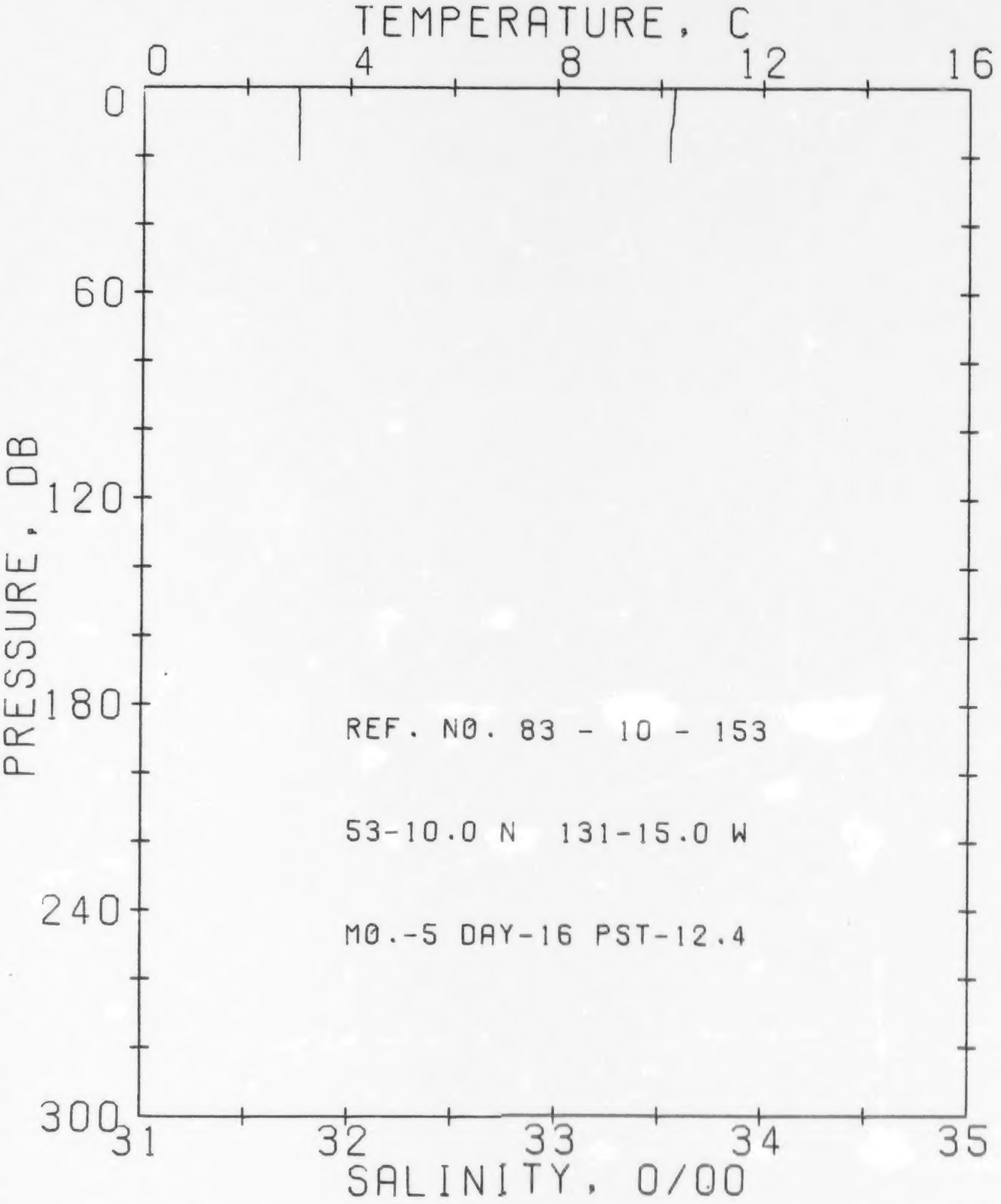
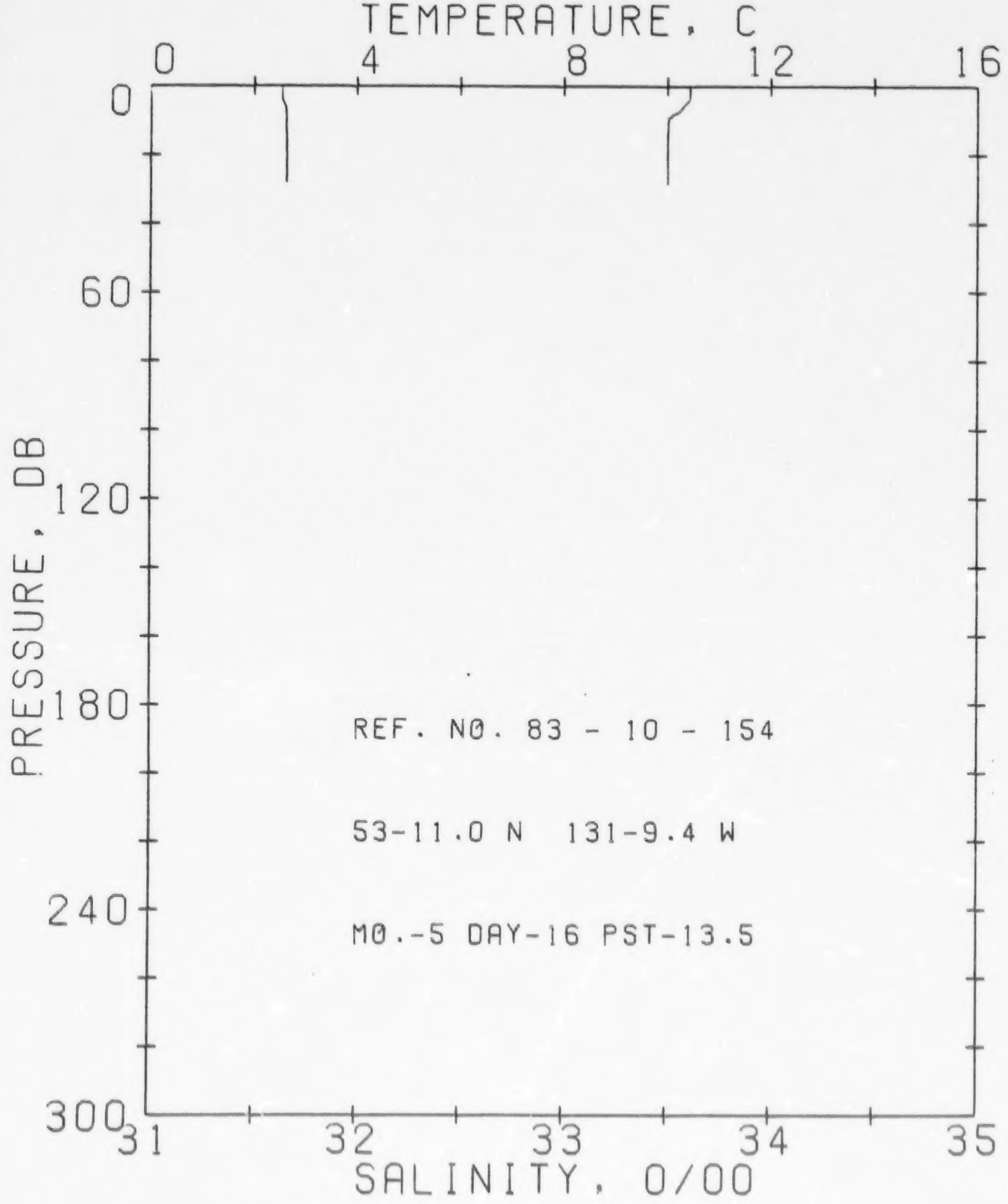


REF. NO. 83 - 10 - 153

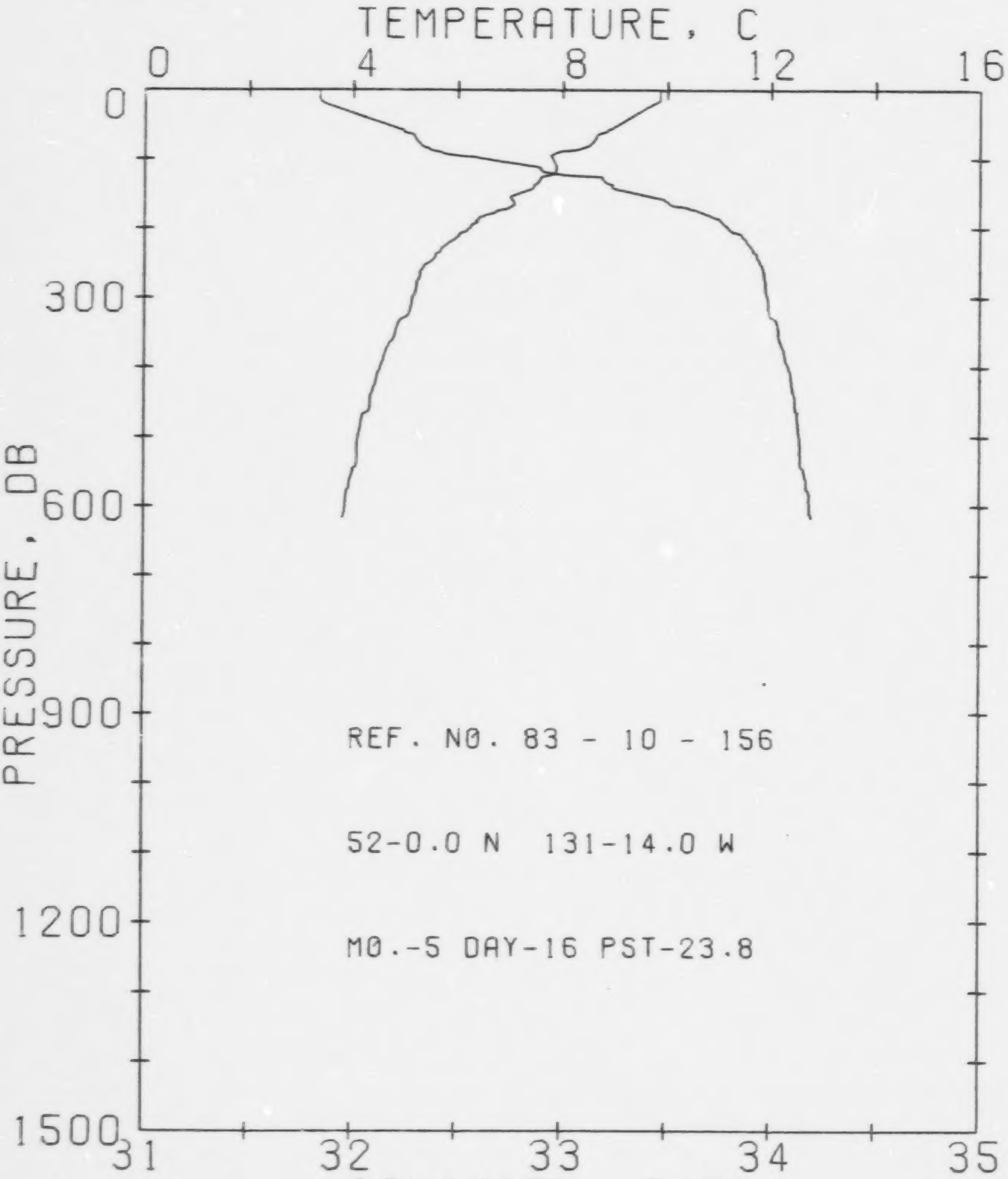
53-10.0 N 131-15.0 W

MO.-5 DAY-16 PST-12.4

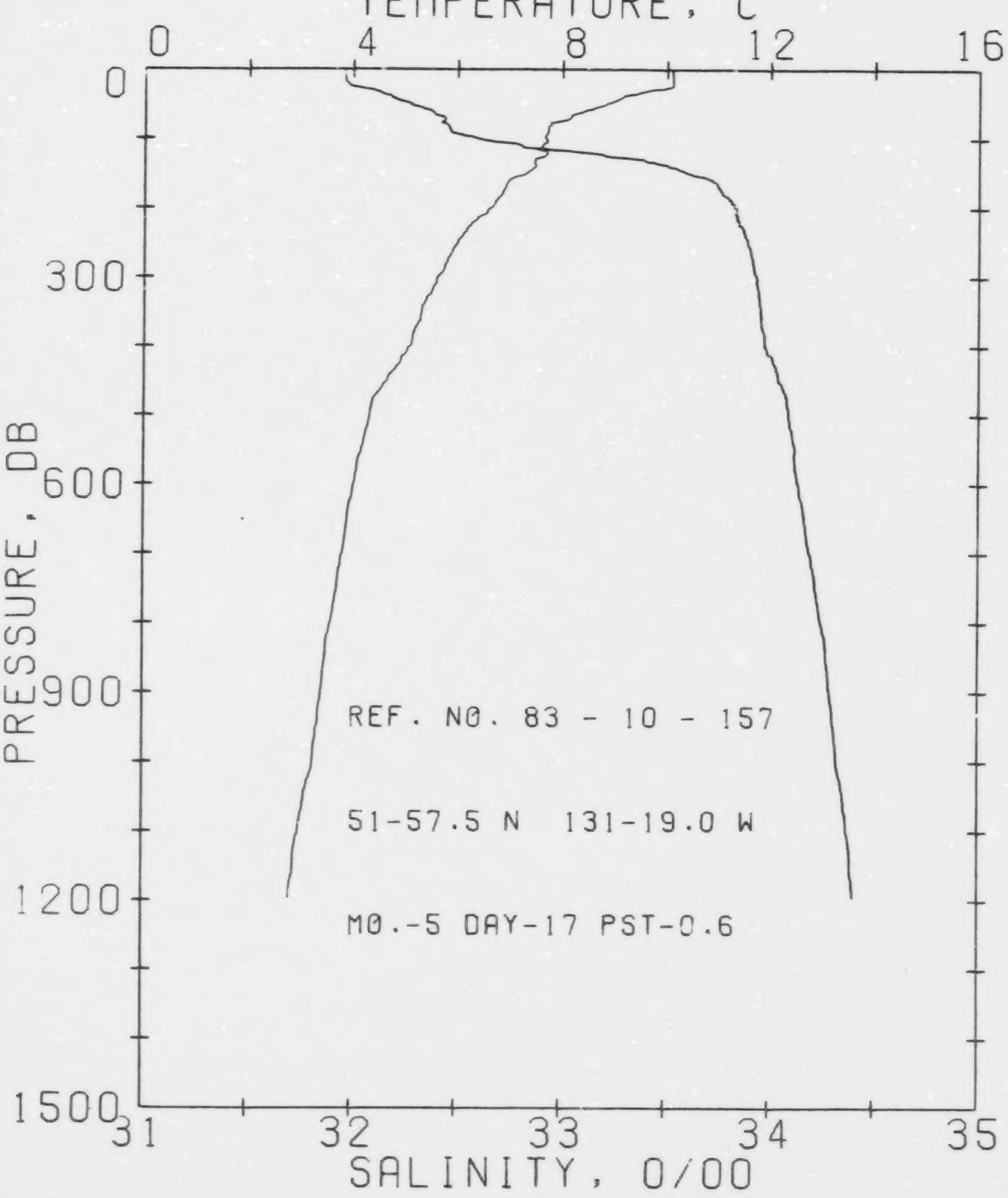
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-153        DATE 16/ 5/83
POSITION  53-10.0N, 131-15.0W        12.4       STATION W13
RESULTS OF STP CAST    22 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                    T                D        EN
   0    10.28    31.75       0    24.40   354.0      .00      .00   1487.
  10    10.24    31.75      10    24.41   353.5      .35      .02   1487.
  20    10.19    31.75      20    24.41   353.0      .71      .07   1487.

PRES  DEPTH        TEMP      SAL        PRES  DEPTH        TEMP     SAL

  0.              10.28    31.75         11.               10.22   31.75
  1.              10.28    31.75         12.               10.20   31.75
  2.              10.28    31.75         13.               10.20   31.75
  3.              10.27    31.75         14.               10.19   31.75
  4.              10.26    31.75         15.               10.19   31.75
  5.              10.27    31.75         16.               10.19   31.75
  6.              10.26    31.75         17.               10.19   31.75
  7.              10.26    31.75         18.               10.19   31.75
  8.              10.25    31.75         19.               10.19   31.75
  9.              10.25    31.75         20.               10.19   31.75
 10.              10.24    31.75         21.               10.19   31.75
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 154
53-11.0 N 131-9.4 W
MO.-5 DAY-16 PST-13.5

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-154        DATE 16/ 5/83
POSITION  53-11.0N, 131- 9.4W       13.5      STATICN W12
RESULTS OF STP CAST    29 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                   T                D      EN
   0    10.44   31.64       0    24.28  365.0     .00      .00   1488.
  10    10.02   31.66      10    24.37  357.1     .36      .02   1486.
  20    10.00   31.66      20    24.37  356.8     .72      .07   1486.

PRES  DEPTH      TEMP     SAL        PRES  DEPTH        TEMP     SAL

  0.             10.44   31.64        15.              10.00   31.66
  1.             10.44   31.63        16.              10.00   31.66
  2.             10.44   31.64        17.              10.00   31.66
  3.             10.45   31.64        18.              10.00   31.66
  4.             10.42   31.64        19.              10.00   31.66
  5.             10.35   31.65        20.              10.00   31.66
  6.             10.30   31.66        21.              10.00   31.66
  7.             10.25   31.66        22.              10.00   31.66
  8.             10.12   31.66        23.              10.00   31.66
  9.             10.02   31.66        24.              10.00   31.66
 10.             10.02   31.66        25.              10.00   31.66
 11.             10.01   31.66        26.              10.00   31.66
 12.             10.01   31.66        27.              10.00   31.66
 13.             10.01   31.66        28.              10.00   31.66
 14.             10.01   31.66
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
REF. NO. 83 - 10 - 156
52-0.0 N 131-14.0 W
MO.-5 DAY-16 PST-23.8
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-156          DATE 16/ 5/83
POSITION  52-  .ON, 131-14.0W         23.8        STATION J 1
RESULTS OF STP CAST   532 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D      EN
    0    9.86   31.84        0    24.53  341.0      .00      .00  1486.
   10    9.86   31.84       10    24.53  341.3      .34      .02  1486.
   20    9.72   31.87       20    24.58  336.9      .68      .07  1486.
   30    9.49   31.97       30    24.69  326.3     1.01      .15  1485.
   50    9.05   32.17       50    24.92  305.2     1.64      .41  1484.
   75    8.58   32.31       75    25.10  287.9     2.38      .88  1483.
  100    7.81   32.65       99    25.48  252.1     3.06     1.48  1481.
  125    7.59   33.19      124    25.94  209.6     3.65     2.16  1481.
  150    7.14   33.37      149    26.14  190.7     4.16     2.87  1480.
  175    6.72   33.66      174    26.42  164.1     4.61     3.61  1479.
  200    6.21   33.79      199    26.59  147.7     4.99     4.34  1478.
  225    5.75   33.90      223    26.74  134.3     5.34     5.10  1476.
  250    5.43   33.95      248    26.82  127.1     5.67     5.89  1475.
  300    5.13   33.98      298    26.88  121.4     6.29     7.62  1475.
  400    4.52   34.08      397    27.03  108.1     7.44    11.70  1474.
  500    4.10   34.14      496    27.12  100.1     8.47    16.46  1474.
  600    3.85   34.19      595    27.18   94.9     9.45    21.94  1475.
```

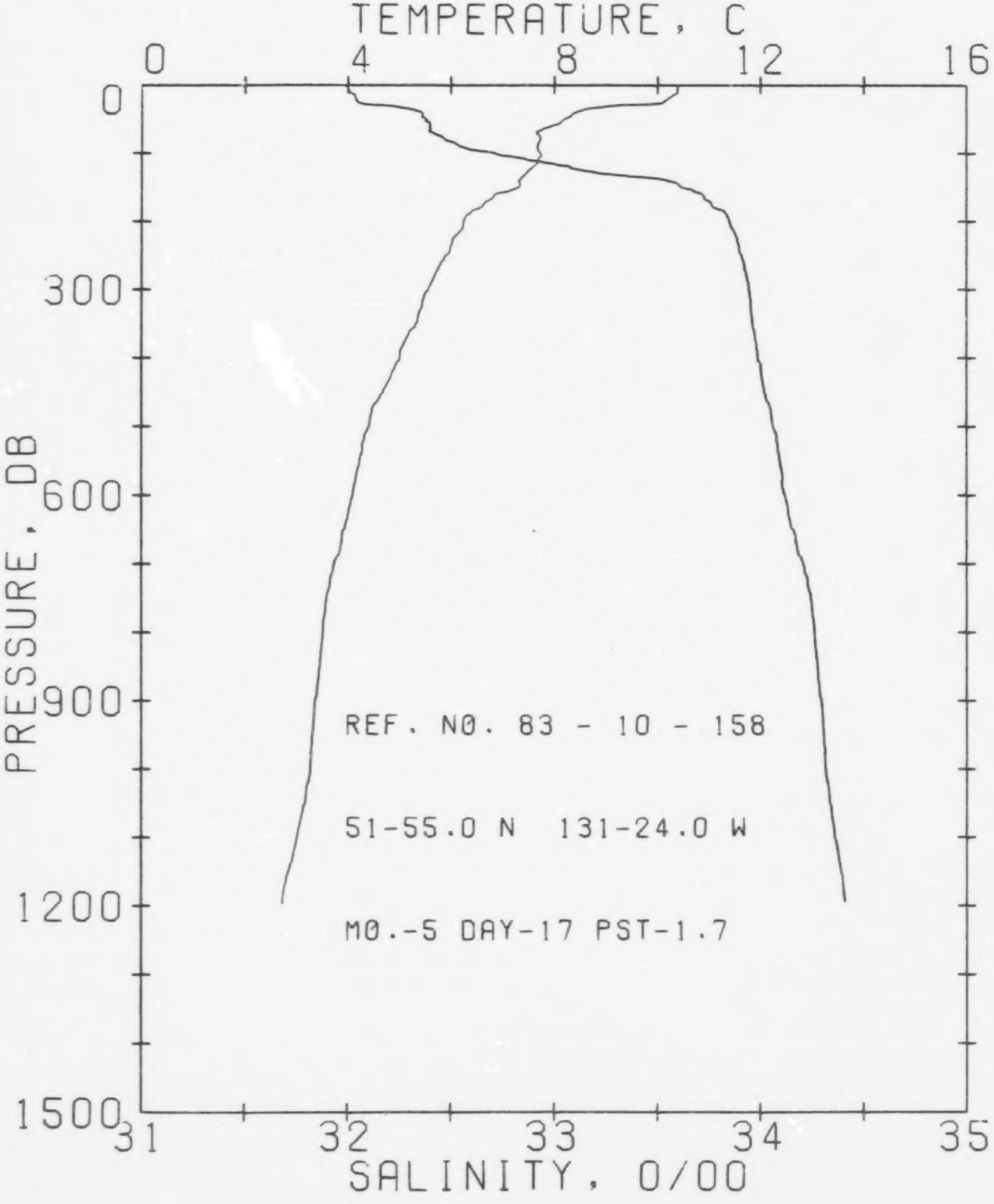


REF. N0. 83 - 10 - 157

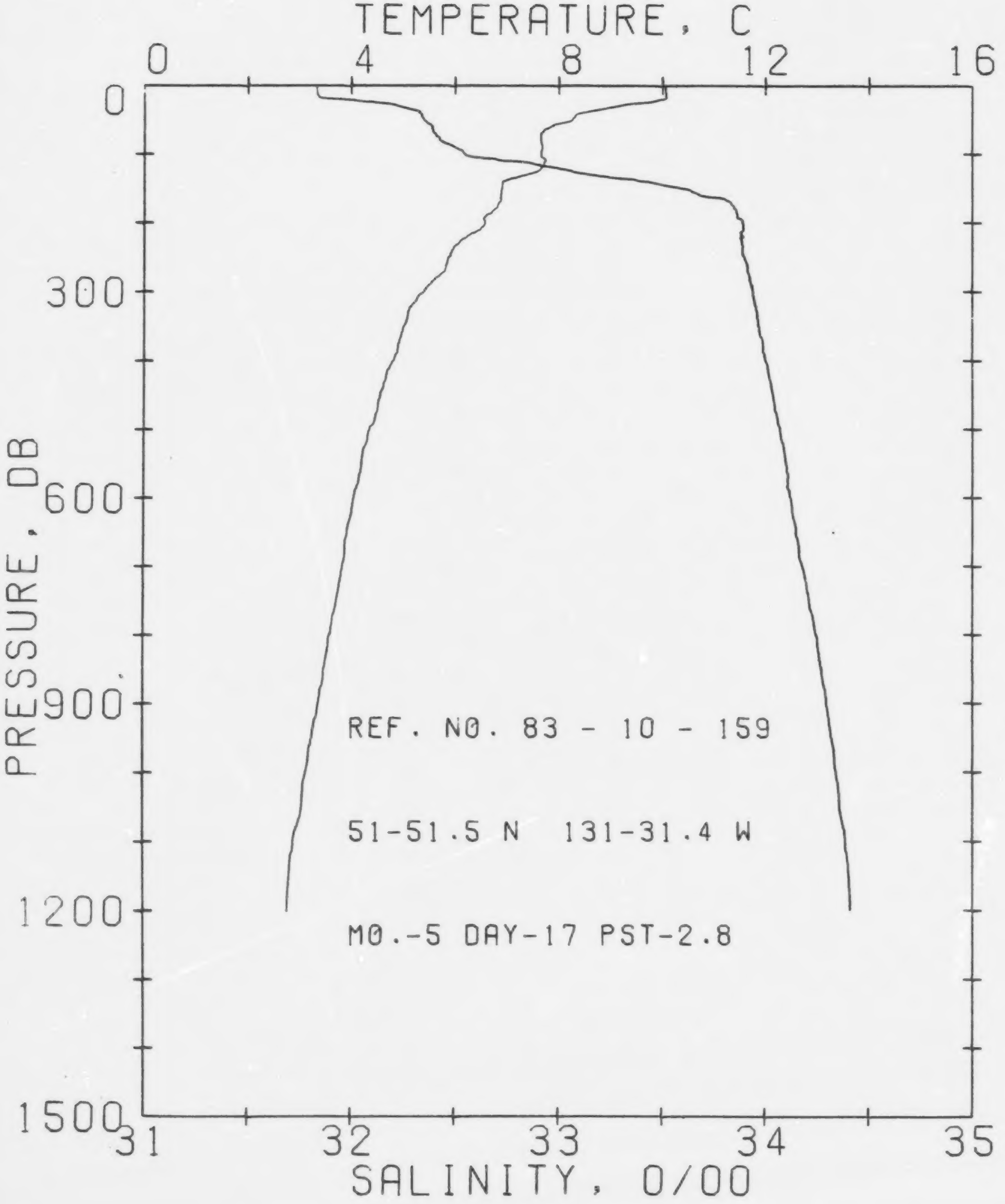
51-57.5 N 131-19.0 W

M0.-5 DAY-17 PST-0.6

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-157        DATE 1// 5/83
POSITION  51-57.5N, 131-19.0W         .6      STATION J1A
RESULTS OF STP CAST  1197 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T                D      EN
    0   10.10   31.96       0    24.59  335.9      .00      .00  1487.
   10   10.11   31.97      10    24.59  335.8      .34      .02  1487.
   20   10.12   31.98      20    24.60  334.9      .67      .07  1487.
   30    9.65   32.11      30    24.78  318.0     1.00      .15  1486.
   50    8.83   32.29      50    25.05  292.8     1.61      .40  1483.
   75    7.91   32.42      75    25.29  270.3     2.31      .84  1480.
  100    7.70   32.61      99    25.47  253.5     2.97     1.43  1480.
  125    7.66   33.23     124    25.95  208.0     3.54     2.09  1481.
  150    7.31   33.61     149    26.31  174.6     4.01     2.74  1481.
  175    6.88   33.77     174    26.49  157.9     4.42     3.41  1480.
  200    6.61   33.84     199    26.58  149.0     4.80     4.15  1479.
  225    6.23   33.86     223    26.65  143.2     5.17     4.94  1478.
  250    6.02   33.89     248    26.70  138.6     5.52     5.79  1478.
  300    5.62   33.94     298    26.78  131.0     6.19     7.68  1477.
  400    5.08   33.98     397    26.88  122.3     7.46    12.20  1476.
  500    4.34   34.09     496    27.05  106.6     8.59    17.37  1475.
  600    4.02   34.14     595    27.12  100.3     9.63    23.16  1476.
  800    3.59   34.25     793    27.25   89.1    11.52    36.63  1477.
 1000    3.25   34.32     990    27.35   81.0    13.21    52.11  1479.
 1200    2.80   34.41    1188    27.45   71.1    14.73    69.06  1481.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. NO. 83 - 10 - 158
51-55.0 N 131-24.0 W
MO.-5 DAY-17 PST-1.7
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-158          DATE 17/ 5/83
POSITION  51-55.0N, 131-24.0W          1.7       STATION J1B
RESULTS OF STP CAST  1108 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    10.39    32.00       0    24.57  337.5     .00      .00   1488.
  10    10.40    32.01      10    24.58  336.8     .34      .02   1488.
  20    10.20    32.04      20    24.64  331.7     .67      .07   1488.
  30     9.09    32.23      30    24.96  300.9    1.00      .15   1484.
  50     8.18    32.39      50    25.22  276.4    1.56      .38   1481.
  75     7.73    32.46      75    25.34  265.1    2.24      .81   1480.
 100     7.75    32.72      99    25.55  246.1    2.88     1.39   1481.
 125     7.51    33.15     124    25.92  211.0    3.45     2.04   1481.
 150     7.28    33.63     149    26.33  172.8    3.92     2.69   1481.
 175     6.63    33.76     174    26.52  154.8    4.32     3.36   1479.
 200     6.25    33.85     199    26.64  143.8    4.69     4.06   1478.
 225     6.04    33.89     223    26.69  138.8    5.05     4.83   1477.
 250     5.89    33.91     248    26.73  135.6    5.39     5.66   1477.
 300     5.56    33.94     298    26.79  130.1    6.05     7.51   1477.
 400     5.01    33.99     397    26.89  121.0    7.30    11.97   1476.
 500     4.41    34.06     496    27.02  109.4    8.45    17.22   1475.
 600     4.10    34.12     595    27.10  102.6    9.51    23.12   1476.
 800     3.52    34.26     793    27.27   87.1   11.38    36.42   1477.
1000     3.28    34.32     990    27.34   81.6   13.06    51.83   1479.
1200     2.74    34.41    1188    27.46   70.1   14.58    68.72   1480.
```


TEMPERATURE, C
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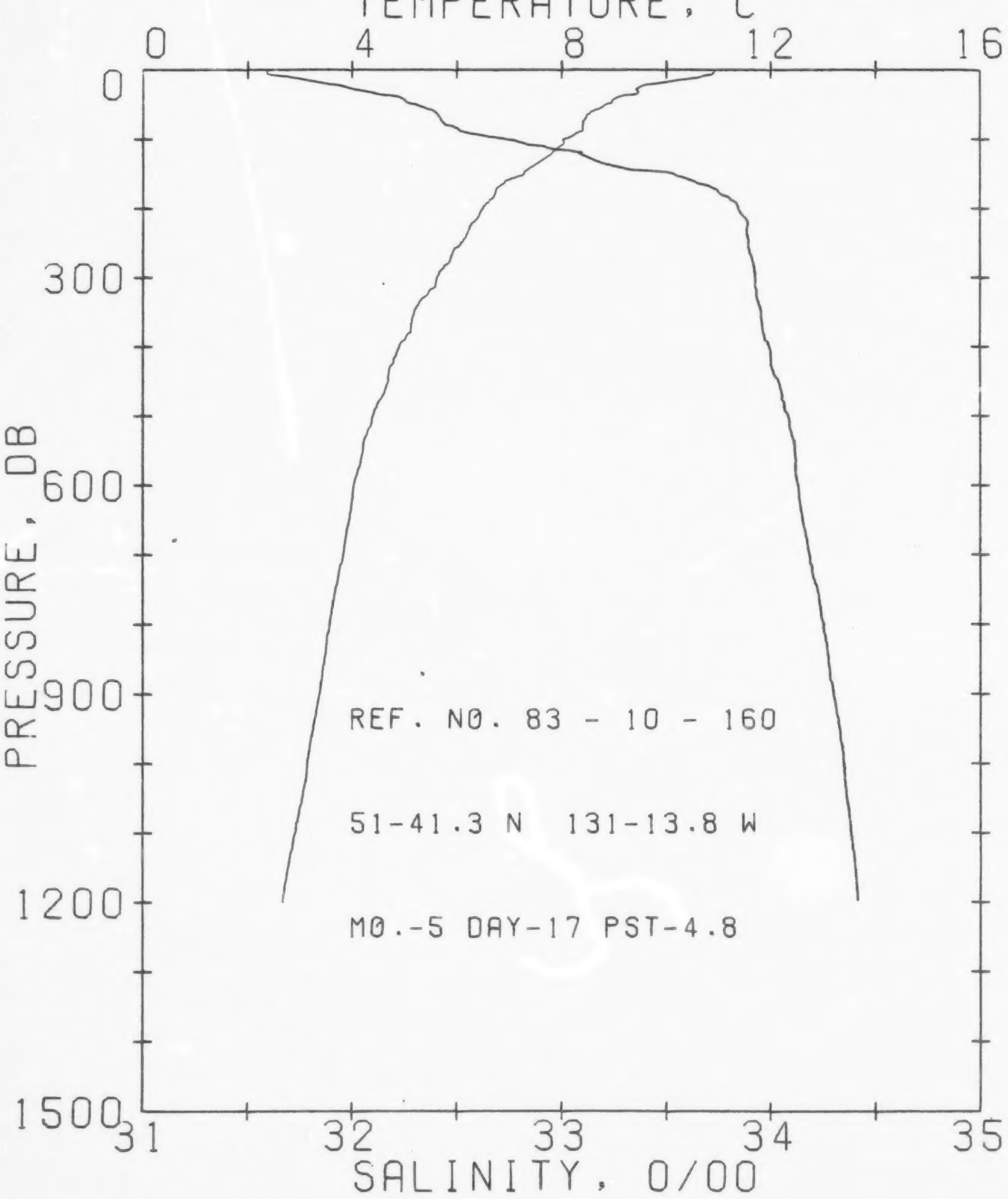
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. N0. 83 - 10 - 159
51-51.5 N 131-31.4 W
M0.-5 DAY-17 PST-2.8
31
32
33
34
35
SALINITY, 0/00

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-159 DATE 17/ 5/83
POSITION 51-51.5N, 131-31.4W 2.8 STATICN J 2
RESULTS OF STP CAST 1146 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.06	31.83	0	24.50	344.7	.00	.00	1487.
10	10.07	31.84	10	24.50	344.6	.34	.02	1487.
20	9.95	31.99	20	24.63	331.9	.69	.07	1487.
30	9.09	32.24	30	24.97	299.9	1.00	.15	1484.
50	8.27	32.35	50	25.18	280.1	1.57	.38	1481.
75	7.65	32.43	75	25.33	266.6	2.25	.81	1479.
100	7.65	32.55	99	25.43	257.4	2.91	1.40	1480.
125	7.57	33.07	124	25.84	218.2	3.50	2.08	1481.
150	6.91	33.62	149	26.37	168.9	3.98	2.74	1479.
175	6.84	33.85	174	26.56	151.2	4.38	3.40	1480.
200	6.59	33.89	199	26.62	145.3	4.75	4.11	1479.
225	6.12	33.88	223	26.68	140.0	5.10	4.88	1478.
250	5.88	33.90	248	26.72	136.1	5.45	5.72	1477.
300	5.41	33.94	298	26.81	128.2	6.11	7.57	1476.
400	4.81	34.00	397	26.93	117.6	7.33	11.92	1475.
500	4.36	34.07	496	27.03	108.3	8.46	17.09	1475.
600	4.05	34.13	595	27.11	101.6	9.51	22.97	1476.
800	3.59	34.25	793	27.25	89.0	11.43	36.60	1477.
1000	3.13	34.34	990	27.37	78.2	13.10	51.92	1479.
1200	2.77	34.41	1188	27.46	70.5	14.58	68.41	1481.


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 160
51-41.3 N 131-13.8 W
MO.-5 DAY-17 PST-4.8

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-160         DATE 17/ 5/83
POSITION  51-41.3N, 131-13.8W        4.8      STATION  88
RESULTS OF STP CAST  1199 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA   DELTA     POT.   SOUND
                                   T               D       EN
    0   10.93   31.59       0    24.16  376.5     .00      .00   1489.
   10   10.65   31.72      10    24.31  362.7     .37      .02   1489.
   20    9.72   31.90      20    24.60  334.7     .72      .07   1486.
   30    9.47   32.07      30    24.78  318.3    1.05      .15   1485.
   50    8.83   32.32      50    25.07  290.8    1.65      .40   1483.
   75    8.41   32.44      75    25.23  276.1    2.35      .85   1482.
  100    8.00   32.76      99    25.54  246.5    3.02     1.44   1482.
  125    7.73   33.13     124    25.87  216.2    3.60     2.10   1481.
  150    7.29   33.54     149    26.26  179.6    4.10     2.80   1481.
  175    6.75   33.75     174    26.49  157.3    4.51     3.49   1479.
  200    6.49   33.85     199    26.60  147.3    4.89     4.21   1479.
  225    6.26   33.89     223    26.66  141.7    5.25     4.99   1478.
  250    6.09   33.89     248    26.69  139.5    5.61     5.84   1478.
  300    5.62   33.93     298    26.77  131.8    6.28     7.73   1477.
  400    4.89   33.99     397    26.91  119.1    7.54    12.21   1476.
  500    4.39   34.09     496    27.04  107.4    8.68    17.42   1475.
  600    4.03   34.13     595    27.12  100.8    9.72    23.24   1476.
  800    3.57   34.26     793    27.26   88.2   11.62    36.76   1477.
 1000    3.15   34.35     990    27.37   78.2   13.28    51.99   1479.
 1200    2.68   34.41    1188    27.46   69.8   14.76    68.49   1480.
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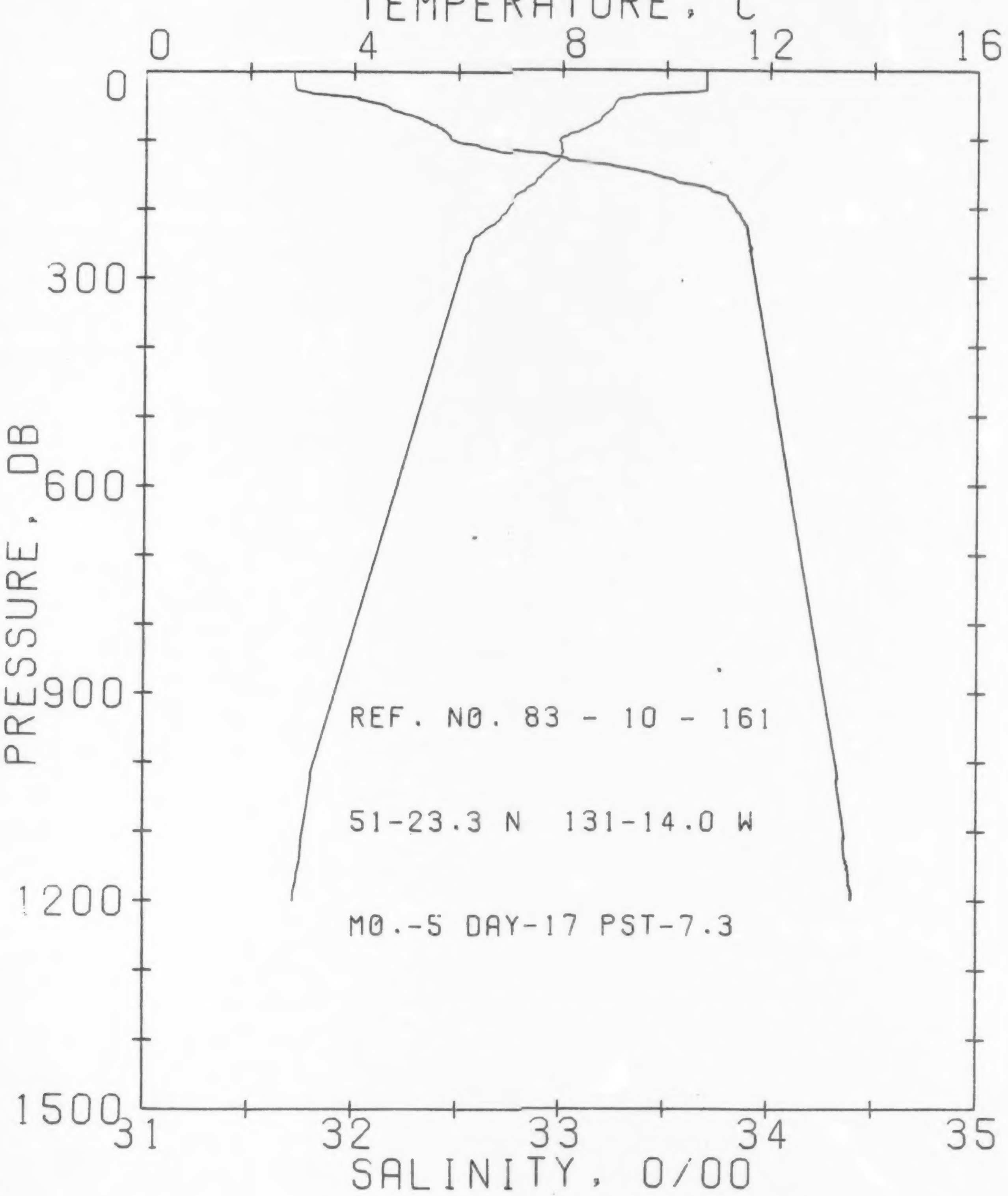
TEMPERATURE, C
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4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. NO. 83 - 10 - 161
51-23.3 N 131-14.0 W
MO.-5 DAY-17 PST-7.3
31
32
33
34
35
SALINITY, O/OO

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-161          DATE 17/ 5/83
POSITION  51-23.3N, 131-14.0W          7.3       STATION I 3
RESULTS OF STP CAST   333 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                    T               D        EN
   0    10.77    31.71      0    24.28   365.0     .00      .00   1489.
  10    10.77    31.71     10    24.28   365.0     .36      .02   1489.
  20    10.77    31.72     20    24.29   365.1     .73      .07   1489.
  30    10.68    31.79     30    24.36   358.4    1.09      .17   1489.
  50     9.01    32.17     50    24.93   304.6    1.74      .43   1484.
  75     8.71    32.37     75    25.13   285.7    2.47      .90   1483.
 100     7.96    32.49     99    25.34   266.2    3.16     1.51   1481.
 125     7.97    32.95    124    25.69   232.9    3.79     2.23   1482.
 150     7.65    33.44    149    26.12   192.6    4.32     2.96   1482.
 175     7.29    33.72    174    26.39   166.8    4.76     3.70   1481.
 200     6.94    33.83    199    26.53   154.1    5.16     4.46   1481.
 225     6.57    33.89    223    26.63   145.4    5.53     5.27   1480.
 250     6.26    33.90    248    26.68   140.8    5.89     6.13   1479.
 300     6.01    33.93    298    26.73   136.3    6.58     8.07   1479.
 400     5.62    33.99    397    26.82   128.4    7.91    12.77   1479.
 500     5.23    34.04    496    26.91   120.6    9.15    18.46   1479.
 600     4.83    34.10    595    27.00   112.7   10.32    24.98   1479.
 800     4.05    34.21    793    27.18    96.9   12.41    39.77   1479.
1000     3.26    34.32    990    27.34    81.0   14.19    55.92   1479.
1200     2.86    34.40   1188    27.45    71.9   15.72    72.97   1481.
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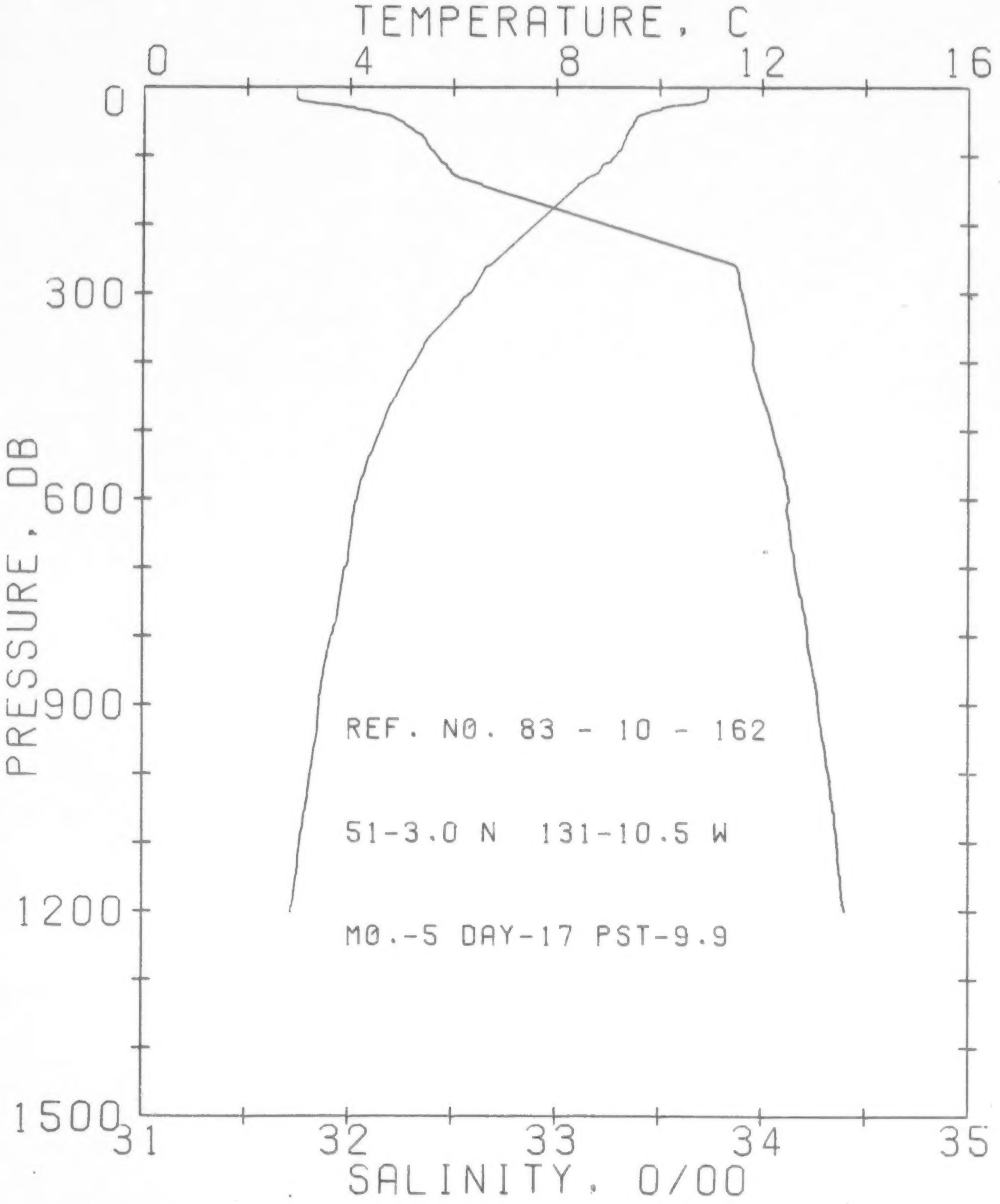
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4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. N0. 83 - 10 - 162
51-3.0 N 131-10.5 W
M0.-5 DAY-17 PST-9.9
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-162          DATE 17/ 5/83
POSITION   51- 3.0N, 131-10.5W         9.9       STATION  89
RESULTS OF STP CAST   798 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    10.95    31.74       0    24.27   365.9     .00     .00   1490.
  10    10.94    31.74      10    24.28   365.8     .37     .02   1490.
  20    10.84    31.78      20    24.32   361.8     .73     .07   1490.
  30    10.05    32.03      30    24.65   330.3    1.08     .16   1487.
  50     9.51    32.26      50    24.92   305.5    1.71     .42   1486.
  75     9.34    32.37      75    25.03   295.2    2.46     .90   1486.
 100     9.13    32.43      99    25.11   288.1    3.19    1.55   1485.
 125     8.81    32.50     124    25.21   278.4    3.90    2.36   1485.
 150     8.32    32.72     149    25.46   255.2    4.56    3.29   1484.
 175     7.95    32.99     174    25.72   230.5    5.17    4.29   1483.
 200     7.59    33.26     199    25.99   205.8    5.71    5.33   1482.
 225     7.22    33.52     224    26.25   181.2    6.20    6.37   1482.
 250     6.85    33.79     248    26.51   156.7    6.62    7.39   1481.
 300     6.32    33.91     298    26.67   141.7    7.35    9.44   1480.
 400     5.27    33.95     397    26.84   126.6    8.68   14.17   1477.
 500     4.59    34.05     496    26.99   112.1    9.87   19.60   1476.
 600     4.15    34.13     595    27.10   102.4   10.94   25.57   1476.
 800     3.65    34.22     793    27.23    91.5   12.89   39.48   1477.
1000     3.25    34.33     991    27.35    80.8   14.61   55.23   1479.
1200     2.87    34.40    1188    27.44    72.3   16.15   72.40   1481.
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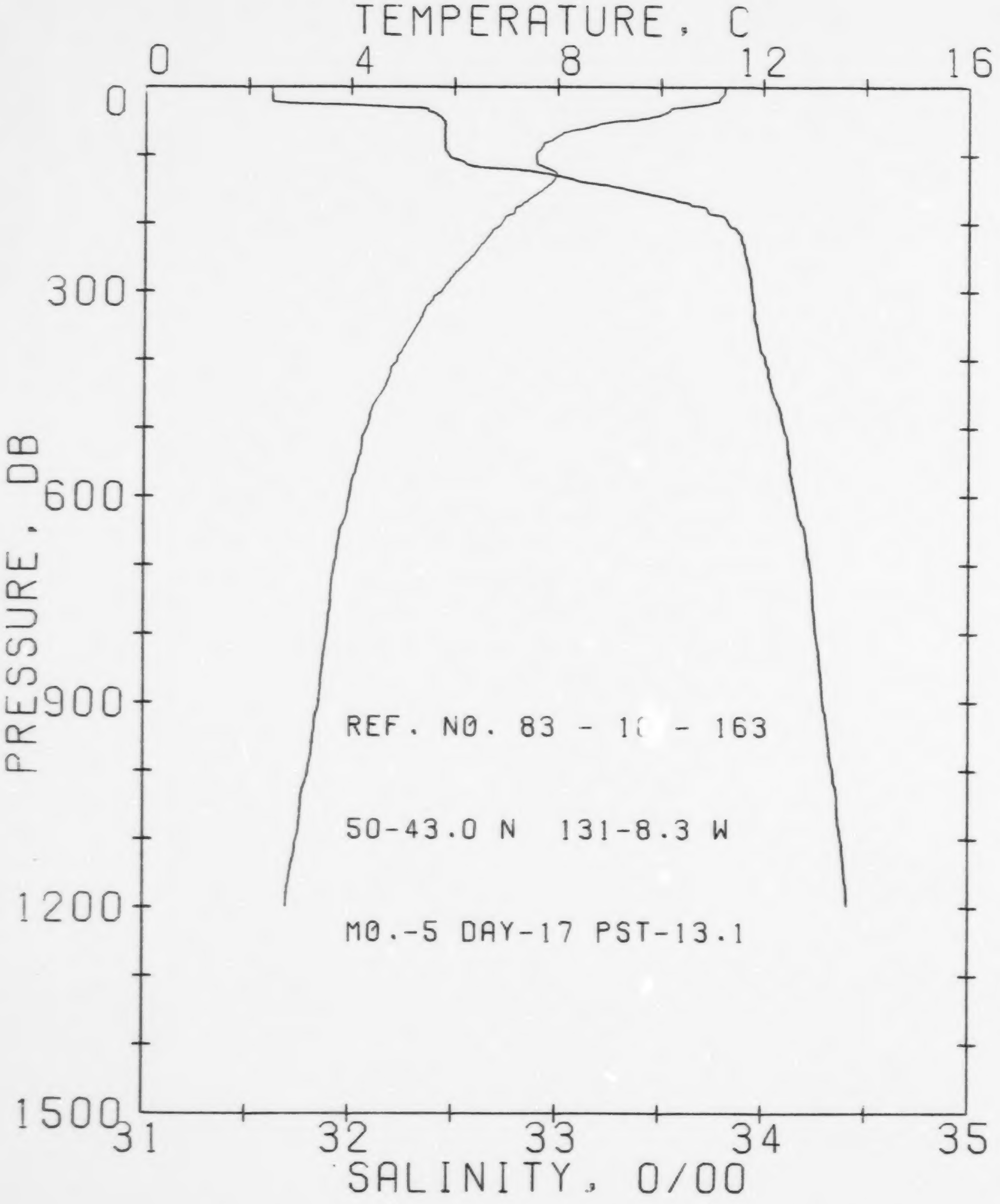
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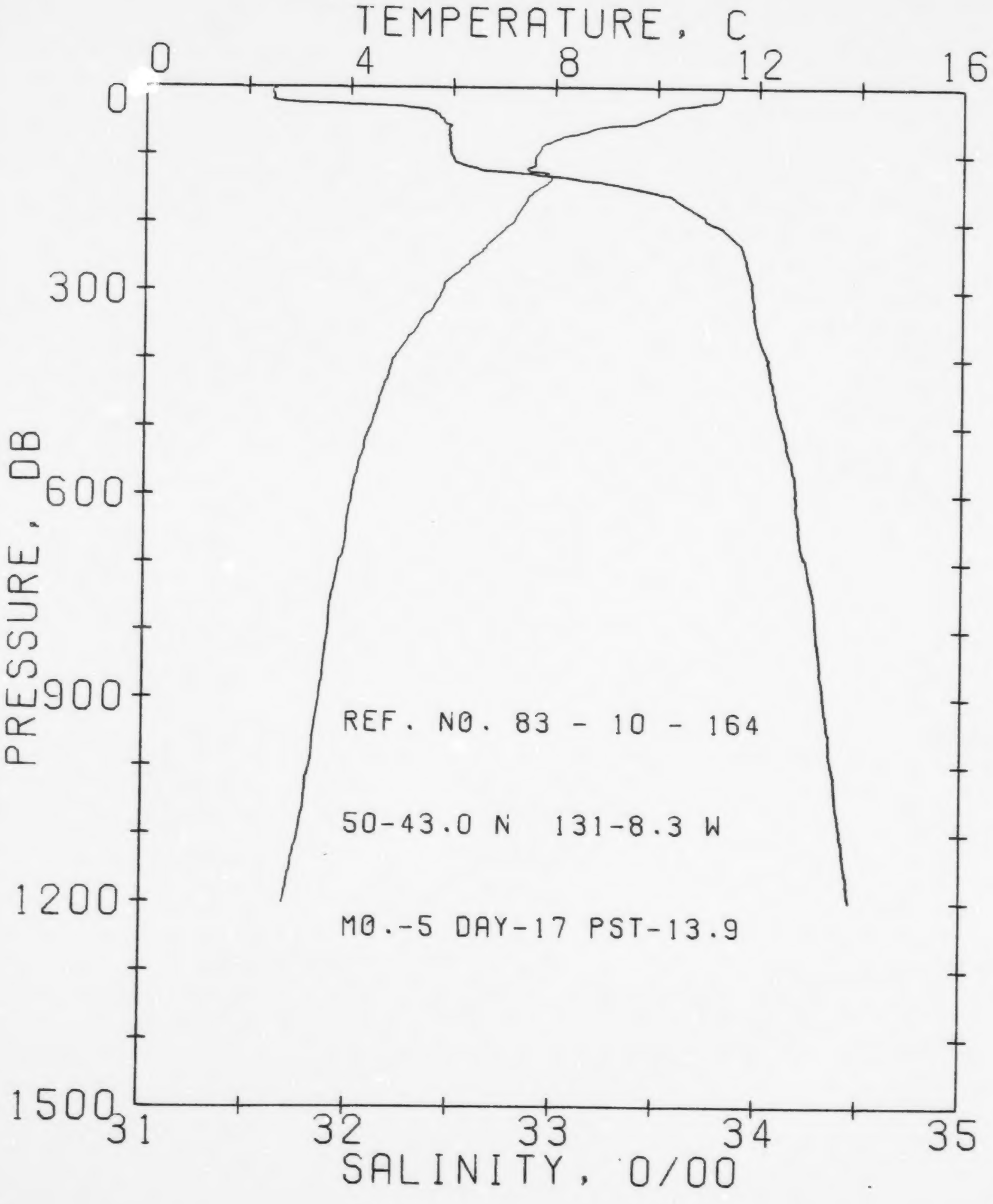
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. NO. 83 - 10 - 163
50-43.0 N 131-8.3 W
MO.-5 DAY-17 PST-13.1
31
32
33
34
35
SALINITY, 0/00

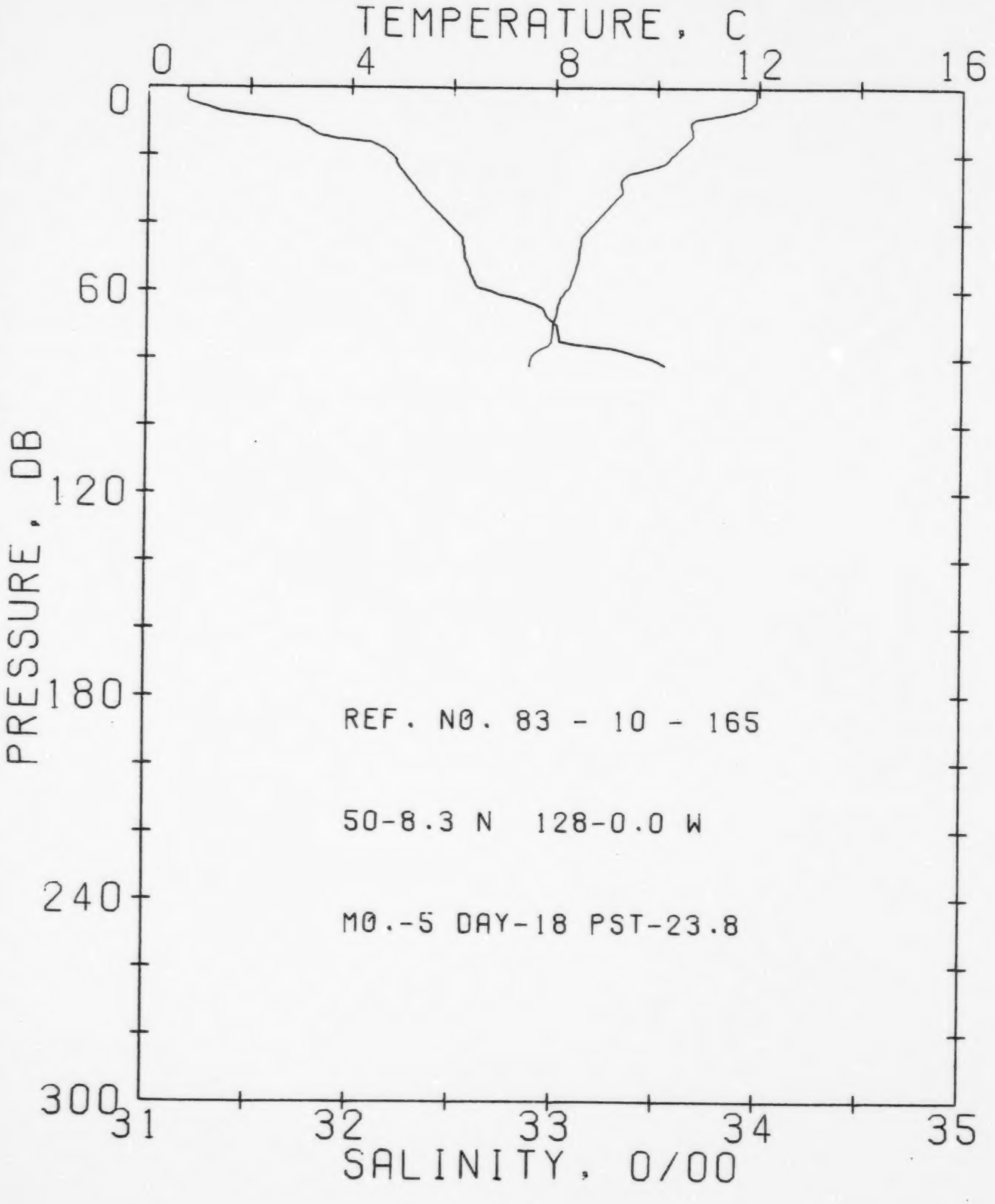
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-163          DATE 17/ 5/83
POSITION  50-43.0N, 131- 8.3W         13.1       STATION H 5
RESULTS OF STP CAST   927 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   11.27   31.61       0    24.12   380.7     .00      .00   1491.
   10   11.23   31.62      10    24.13   379.7     .38      .02   1491.
   20   11.14   31.62      20    24.14   378.7     .76      .08   1491.
   30   10.25   32.35      30    24.86   310.2    1.11      .17   1488.
   50    9.11   32.46      50    25.14   284.5    1.71      .41   1485.
   75    7.93   32.45      75    25.31   268.2    2.40      .85   1481.
  100    7.58   32.48      99    25.38   262.0    3.06     1.44   1480.
  125    7.98   32.94     124    25.68   233.9    3.69     2.16   1482.
  150    7.72   33.35     149    26.04   200.2    4.24     2.92   1482.
  175    7.21   33.71     174    26.40   166.1    4.69     3.68   1481.
  200    6.92   33.83     199    26.53   153.8    5.09     4.44   1480.
  225    6.60   33.90     223    26.63   145.3    5.46     5.24   1480.
  250    6.32   33.92     248    26.68   140.4    5.82     6.11   1479.
  300    5.75   33.94     298    26.77   132.1    6.50     8.01   1478.
  400    4.90   34.01     397    26.93   117.9    7.75    12.45   1476.
  500    4.31   34.10     496    27.06   105.3    8.86    17.54   1475.
  600    3.98   34.16     595    27.14    98.5    9.88    23.24   1475.
  800    3.55   34.26     793    27.26    87.8   11.71    36.30   1477.
 1000    3.19   34.34     990    27.36    79.0   13.39    51.62   1479.
 1200    2.76   34.42    1188    27.46    69.9   14.88    68.22   1480.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
REF. NO. 83 - 10 - 164
50-43.0 N 131-8.3 W
MO.-5 DAY-17 PST-13.9
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-164          DATE 17/ 5/83
POSITION  50-43.0N, 131- 8.3W          13.9       STATION H 5
RESULTS OF STP CAST  1042 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                    T                D        EN
    0   11.28   31.63       0    24.13   379.8      .00      .00   1491.
   10   11.27   31.63      10    24.13   379.7      .38      .02   1491.
   20   11.18   31.63      20    24.15   377.9      .76      .08   1491.
   30   10.31   32.37      30    24.84   312.7     1.10      .16   1489.
   50    9.68   32.46      50    25.05   293.3     1.71      .41   1487.
   75    8.10   32.49      75    25.31   268.2     2.40      .85   1481.
  100    7.63   32.50      99    25.39   261.4     3.06     1.44   1480.
  125    7.79   32.81     124    25.61   240.4     3.70     2.17   1481.
  150    7.67   33.41     149    26.10   194.4     4.24     2.92   1482.
  175    7.39   33.65     174    26.32   173.7     4.69     3.67   1482.
  200    7.18   33.76     199    26.44   162.5     5.11     4.47   1481.
  225    6.79   33.89     224    26.60   148.2     5.50     5.31   1480.
  250    6.43   33.94     248    26.68   140.5     5.86     6.18   1479.
  300    5.82   33.97     298    26.79   130.7     6.53     8.07   1478.
  400    4.84   34.06     397    26.97   113.9     7.77    12.47   1476.
  500    4.42   34.12     496    27.07   105.2     8.87    17.51   1476.
  600    4.06   34.18     595    27.15    97.6     9.87    23.12   1476.
  800    3.61   34.29     793    27.29    85.9    11.70    36.12   1477.
 1000    3.28   34.37     990    27.38    78.1    13.34    51.14   1479.
 1200    2.77   34.46    1188    27.50    66.7    14.79    67.35   1481.
```


TEMPERATURE, C
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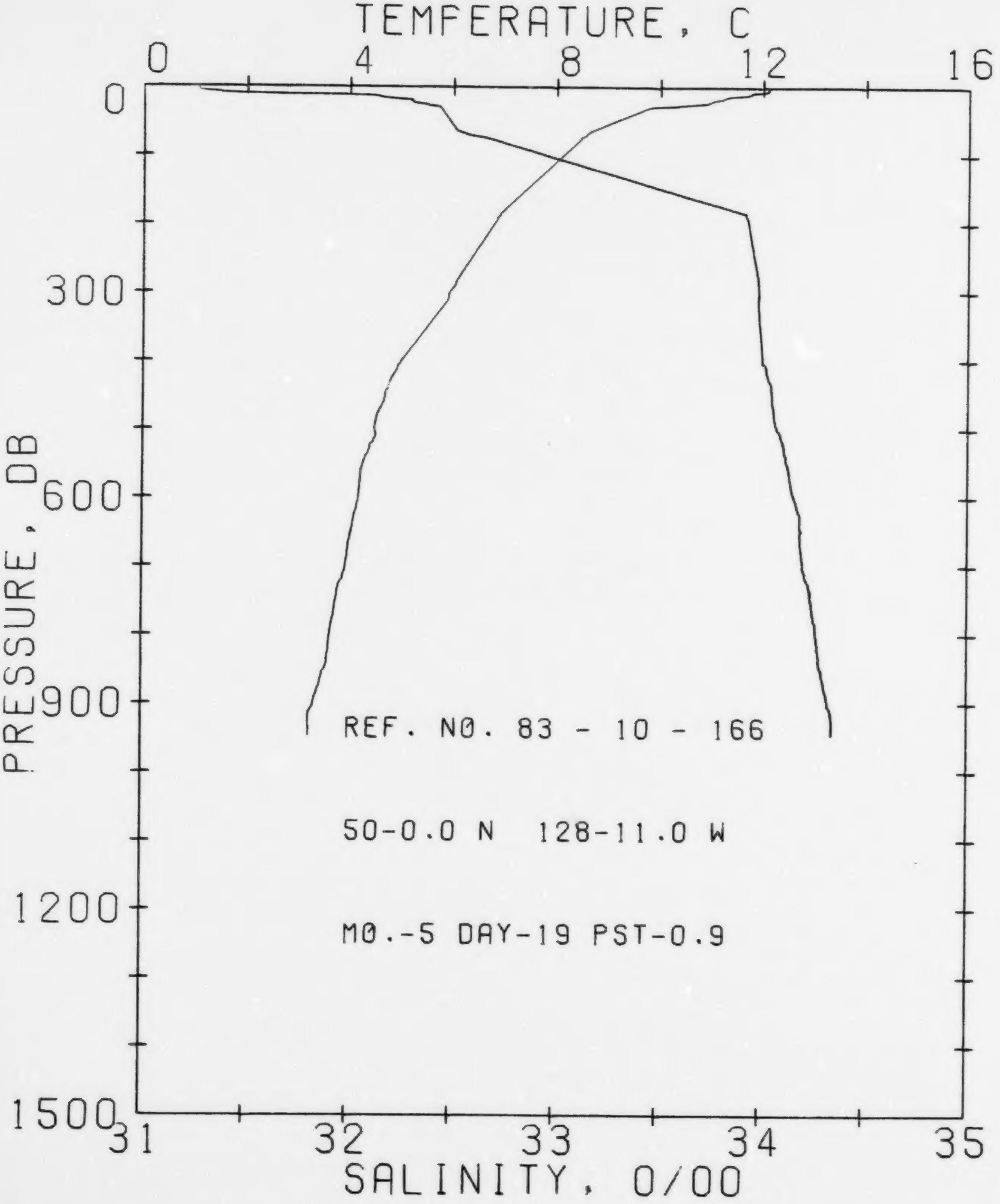
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 83 - 10 - 165
50-8.3 N 128-0.0 W
MO.-5 DAY-18 PST-23.8
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-165         DATE 18/ 5/83
POSITION  50- 8.3N, 128-  .0W         23.8        STATION D 1
RESULTS OF STP CAST    72 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH     SIGMA    SVA    DELTA    POT.    SOUND
                                     T               D       EN
    0   11.96   31.19        0     23.67  423.3     .00      .00   1493.
   10   10.66   31.73       10     24.32  361.8     .41      .02   1489.
   20   10.29   32.21       20     24.75  320.9     .75      .07   1488.
   30    9.32   32.32       30     25.00  297.5    1.06      .15   1485.
   50    8.48   32.56       50     25.31  268.0    1.62      .38   1482.
   75    7.94   33.03       75     25.76  225.9    2.23      .76   1481.
```


TEMFERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. N0. 83 - 10 - 166
50-0.0 N 128-11.0 W
M0.-5 DAY-19 PST-0.9
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-166        DATE 19/ 5/83
POSITION  50-   .0N, 128-11.0W        .9      STATION D 2
RESULTS OF STP CAST   616 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T               D        EN
    0   12.12   31.27       0    23.70   420.9      .00      .00   1493.
   10   11.75   31.52      10    23.96   396.0      .42      .02   1492.
   20   11.01   32.30      20    24.69   326.3      .76      .07   1491.
   30    9.75   32.44      30    25.02   295.2     1.07      .15   1487.
   50    9.11   32.49      50    25.16   282.3     1.65      .39   1485.
   75    8.47   32.68      75    25.41   259.2     2.33      .82   1483.
  100    8.12   32.96      99    25.68   233.4     2.95     1.36   1482.
  125    7.76   33.25     124    25.96   207.6     3.50     1.99   1482.
  150    7.41   33.53     149    26.23   181.9     3.98     2.67   1481.
  175    7.05   33.82     174    26.50   156.3     4.41     3.37   1481.
  200    6.79   33.93     199    26.63   144.6     4.78     4.07   1480.
  225    6.58   33.95     223    26.67   141.0     5.13     4.85   1480.
  250    6.36   33.96     248    26.71   137.5     5.48     5.69   1479.
  300    5.93   33.98     298    26.78   131.2     6.15     7.57   1478.
  400    5.01   34.00     397    26.91   119.9     7.41    12.04   1476.
  500    4.49   34.08     496    27.02   109.2     8.55    17.25   1476.
  600    4.19   34.16     595    27.13   100.3     9.60    23.09   1476.
  800    3.65   34.27     793    27.26    88.2    11.48    36.53   1477.
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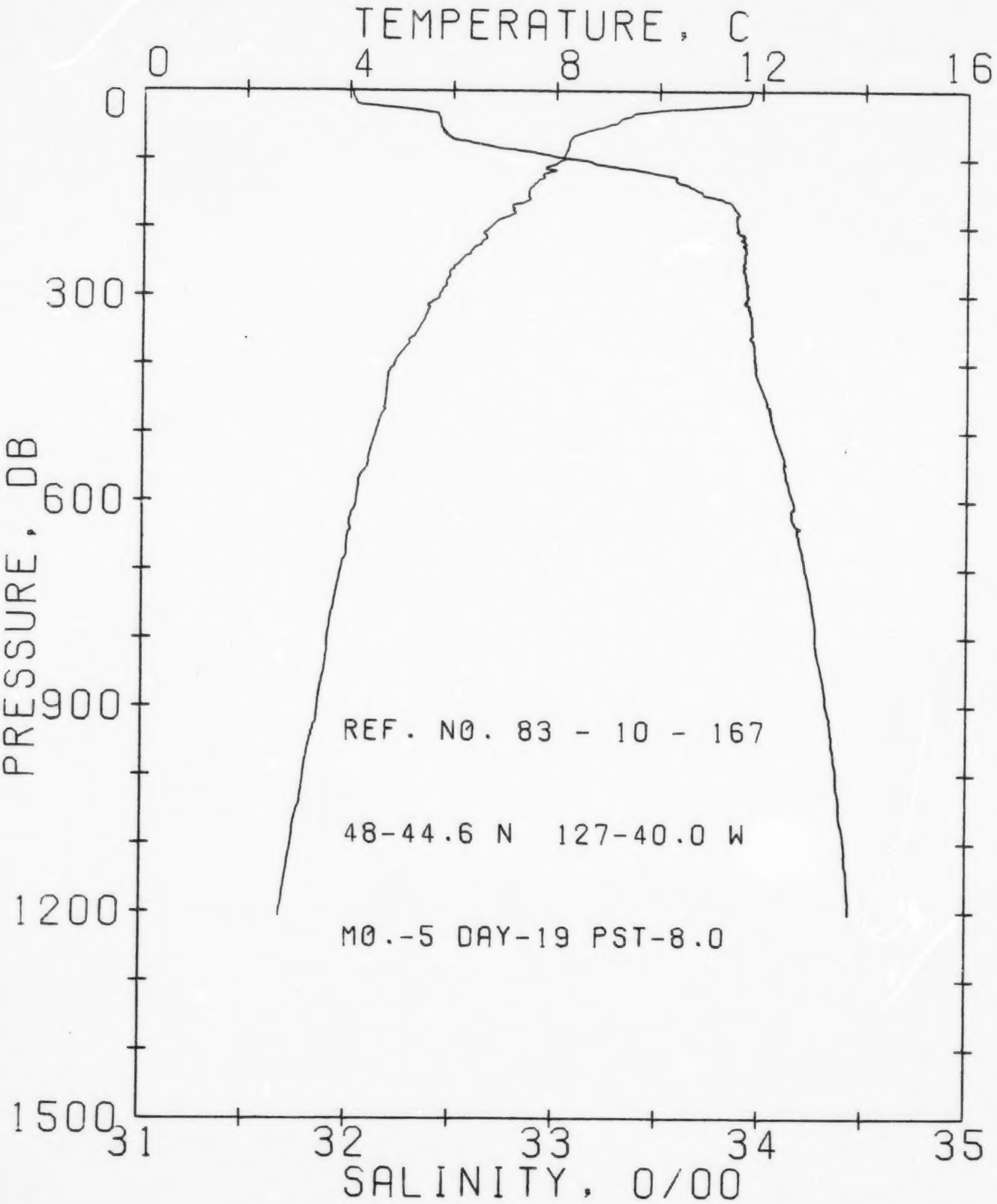
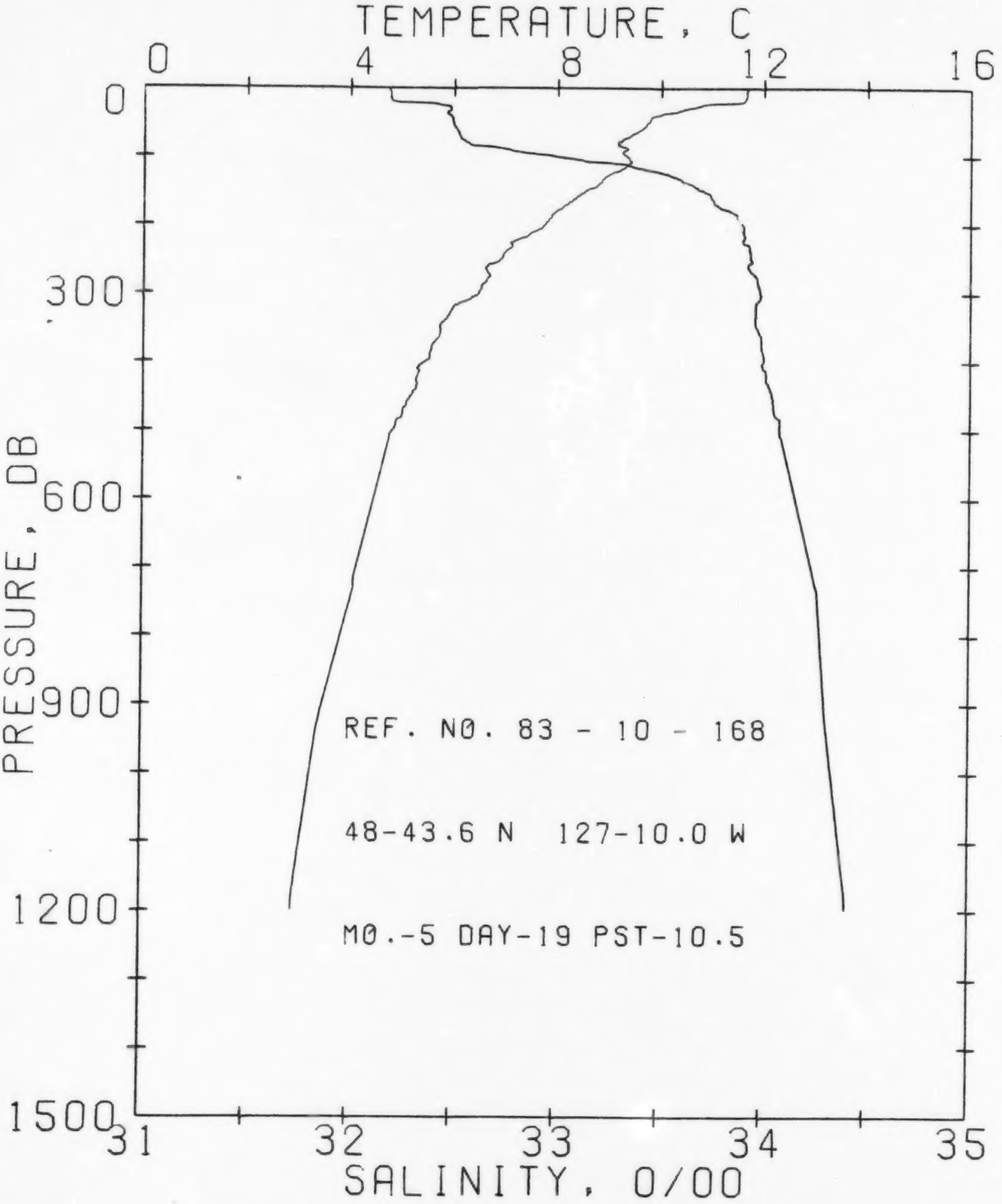

TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. NO. 83 - 10 - 167
48-44.6 N 127-40.0 W
MO.-5 DAY-19 PST-8.0
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-167        DATE 19/ 5/83
POSITION  48-44.6N, 127-40.0W         8.0       STATION P 6
RESULTS OF STP CAST   948 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA    POT.    SOUND
                                    T                 D      EN
    0   11.80   32.01       0    24.33   360.0      .00      .00   1493.
   10   11.78   32.02      10    24.34   359.6      .36      .02   1493.
   20   11.57   32.05      20    24.40   354.0      .72      .07   1493.
   30    9.79   32.38      30    24.96   300.6     1.04      .16   1487.
   50    9.02   32.44      50    25.14   284.2     1.62      .39   1484.
   75    8.25   32.59      75    25.37   262.6     2.31      .83   1482.
  100    8.16   33.10      99    25.78   224.2     2.92     1.37   1483.
  125    7.79   33.58     124    26.21   183.6     3.43     1.95   1482.
  150    7.47   33.71     149    26.36   169.5     3.87     2.57   1482.
  175    7.16   33.88     174    26.53   153.5     4.27     3.23   1481.
  200    6.73   33.88     199    26.60   147.6     4.64     3.95   1480.
  225    6.54   33.91     223    26.64   143.7     5.01     4.74   1479.
  250    6.15   33.92     248    26.70   138.2     5.36     5.58   1478.
  300    5.76   33.93     298    26.76   132.9     6.03     7.48   1478.
  400    4.89   33.97     397    26.90   120.5     7.30    11.99   1476.
  500    4.53   34.07     496    27.01   110.2     8.46    17.28   1476.
  600    4.16   34.16     595    27.12   100.4     9.51    23.16   1476.
  800    3.61   34.27     793    27.26    87.9    11.38    36.49   1477.
 1000    3.16   34.37     991    27.39    76.5    13.03    51.55   1479.
 1200    2.71   34.43    1188    27.48    68.0    14.47    67.68   1480.
```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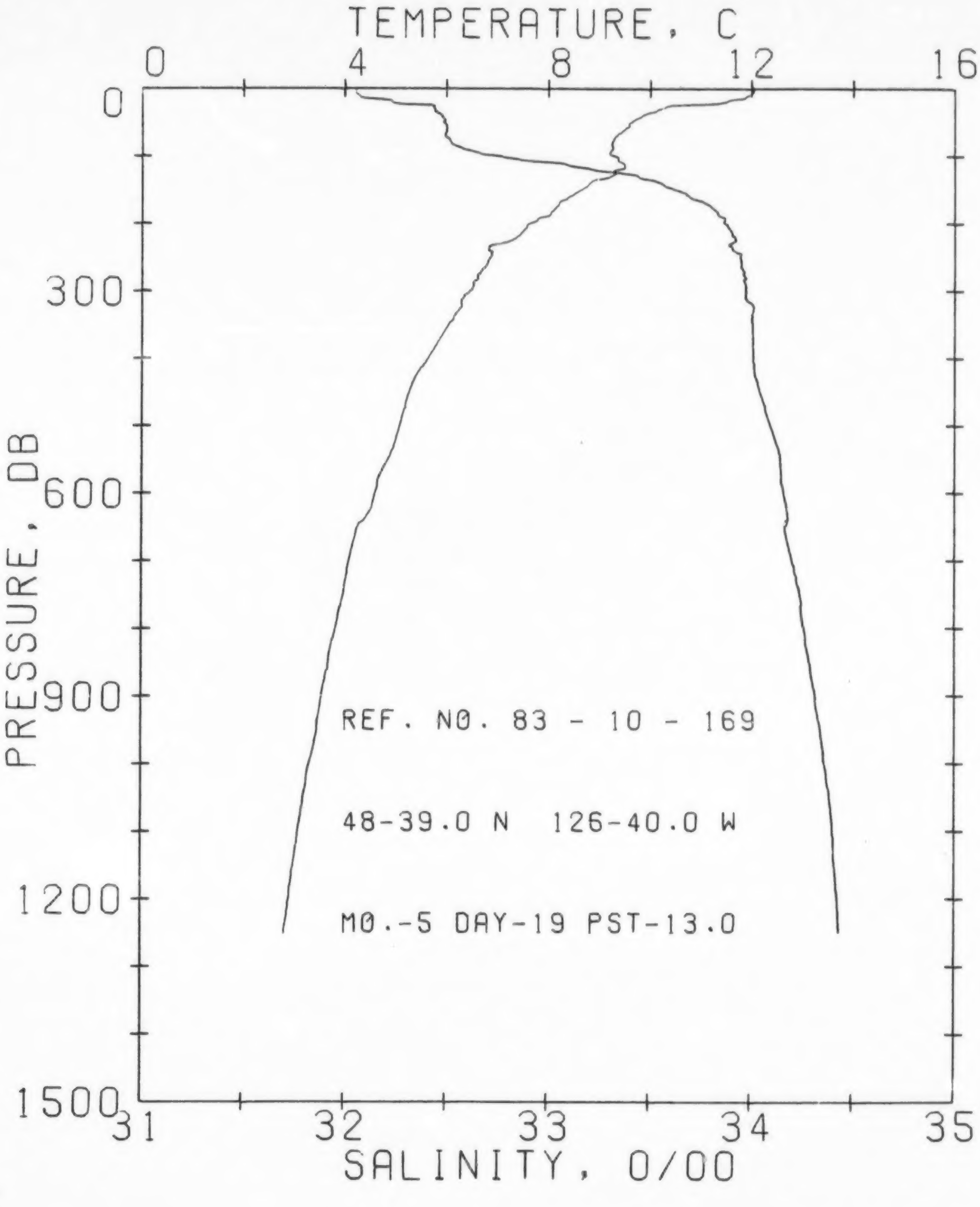
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. NO. 83 - 10 - 168
48-43.6 N 127-10.0 W
MO.-5 DAY-19 PST-10.5
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-168        DATE 19/ 5/83
POSITION  48-43.6N, 127-10.0W        10.5       STATION P 5
RESULTS OF STP CAST   542 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                    T                D        EN
   0    11.69    32.18       0    24.49   345.6      .00      .00   1493.
  10    11.67    32.20      10    24.50   344.6      .34      .02   1493.
  20    11.59    32.22      20    24.53   342.0      .69      .07   1493.
  30    10.47    32.48      30    24.93   303.7     1.00      .15   1489.
  50     9.74    32.50      50    25.07   291.0     1.60      .39   1487.
  75     9.26    32.54      75    25.17   281.4     2.31      .85   1486.
 100     9.35    33.00      99    25.52   248.8     2.98     1.44   1487.
 125     9.03    33.53     124    25.99   205.2     3.55     2.09   1487.
 150     8.54    33.71     149    26.20   185.0     4.04     2.77   1486.
 175     8.10    33.79     174    26.33   172.8     4.48     3.51   1485.
 200     7.75    33.90     199    26.47   160.2     4.90     4.30   1484.
 225     7.11    33.90     224    26.56   151.7     5.29     5.15   1482.
 250     6.92    33.94     248    26.62   146.7     5.66     6.04   1481.
 300     6.50    33.98     298    26.71   138.5     6.37     8.03   1481.
 400     5.44    34.00     397    26.86   125.0     7.68    12.69   1478.
 500     4.82    34.08     496    26.99   112.8     8.87    18.16   1477.
 600     4.48    34.16     595    27.09   104.1     9.95    24.22   1478.
 800     3.85    34.28     793    27.25    89.6    11.87    37.83   1478.
1000     3.27    34.34     991    27.35    80.3    13.57    53.34   1479.
1200     2.91    34.41    1188    27.44    72.2    15.09    70.36   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 83 - 10 - 169
48-39.0 N 126-40.0 W
MO.-5 DAY-19 PST-13.0

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-169         DATE 19/ 5/83
POSITION  48-39.0N, 126-40.0W        13.0       STATION P 4
RESULTS OF STP CAST   770 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   12.05   32.06       0    24.32  361.4      .00      .00   1494.
   10   11.94   32.08      10    24.36  358.3      .36      .02   1494.
   20   11.46   32.24      20    24.57  338.1      .71      .07   1492.
   30   10.18   32.44      30    24.95  301.9     1.02      .15   1488.
   50    9.60   32.48      50    25.08  290.3     1.61      .39   1487.
   75    9.30   32.52      75    25.16  283.2     2.33      .85   1486.
  100    9.36   32.78      99    25.35  265.5     3.02     1.47   1487.
  125    9.34   33.38     124    25.82  221.3     3.64     2.16   1488.
  150    8.63   33.63     149    26.13  192.0     4.15     2.88   1486.
  175    8.16   33.80     174    26.33  173.0     4.60     3.63   1485.
  200    7.60   33.87     199    26.47  160.3     5.02     4.43   1483.
  225    7.26   33.92     224    26.56  152.1     5.41     5.28   1482.
  250    6.86   33.94     248    26.63  145.6     5.78     6.17   1481.
  300    6.46   33.97     298    26.70  139.2     6.49     8.16   1480.
  400    5.64   34.01     397    26.84  127.1     7.81    12.86   1479.
  500    5.08   34.10     496    26.97  114.8     9.02    18.38   1478.
  600    4.60   34.16     595    27.08  105.3    10.11    24.51   1478.
  800    3.82   34.26     793    27.24   90.6    12.06    38.36   1478.
 1000    3.31   34.36     991    27.37   78.9    13.75    53.81   1479.
 1200    2.91   34.43    1188    27.46   70.8    15.23    70.44   1481.
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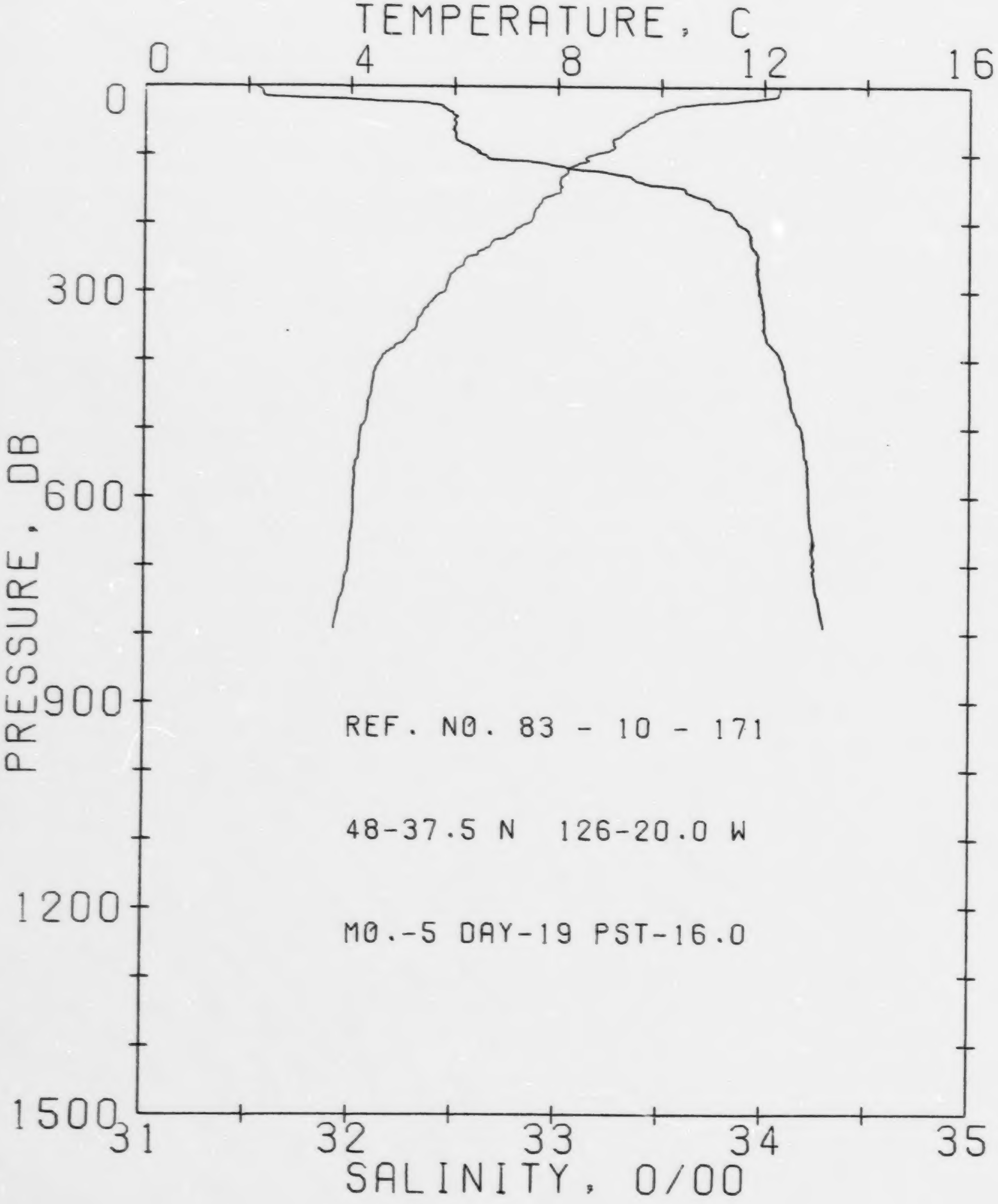
TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. NO. 83 - 10 - 171
48-37.5 N 126-20.0 W
MO.-5 DAY-19 PST-16.0
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-171          DATE 19/ 5/83
POSITION  48-37.5N, 126-20.0W          16.0        STATION P 3
RESULTS OF STP CAST   792 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T                D      EN
    0   12.31   31.55       0    23.88   403.5     .00      .00   1494.
   10   12.29   31.57      10    23.90   401.6     .40      .02   1494.
   20   11.47   32.06      20    24.43   351.2     .79      .08   1492.
   30   10.29   32.45      30    24.93   303.5    1.10      .16   1489.
   50    9.64   32.50      50    25.08   289.9    1.69      .40   1487.
   75    9.07   32.50      75    25.18   281.1    2.41      .85   1485.
  100    8.60   32.66      99    25.37   263.0    3.09     1.46   1484.
  125    8.20   33.25     124    25.89   213.9    3.69     2.15   1483.
  150    8.06   33.62     149    26.21   184.5    4.19     2.85   1484.
  175    7.63   33.76     174    26.37   168.9    4.63     3.57   1483.
  200    7.37   33.88     199    26.51   156.7    5.03     4.34   1482.
  225    6.75   33.94     224    26.64   144.3    5.41     5.16   1480.
  250    6.24   33.97     248    26.73   135.6    5.76     6.01   1479.
  300    5.80   33.98     298    26.79   130.1    6.42     7.86   1478.
  400    4.58   34.09     397    27.02   108.7    7.63    12.15   1475.
  500    4.20   34.19     496    27.14    97.9    8.67    16.90   1475.
  600    4.05   34.22     595    27.18    94.7    9.62    22.27   1476.
  800    3.70   34.27     793    27.26    88.3   11.45    35.27   1478.
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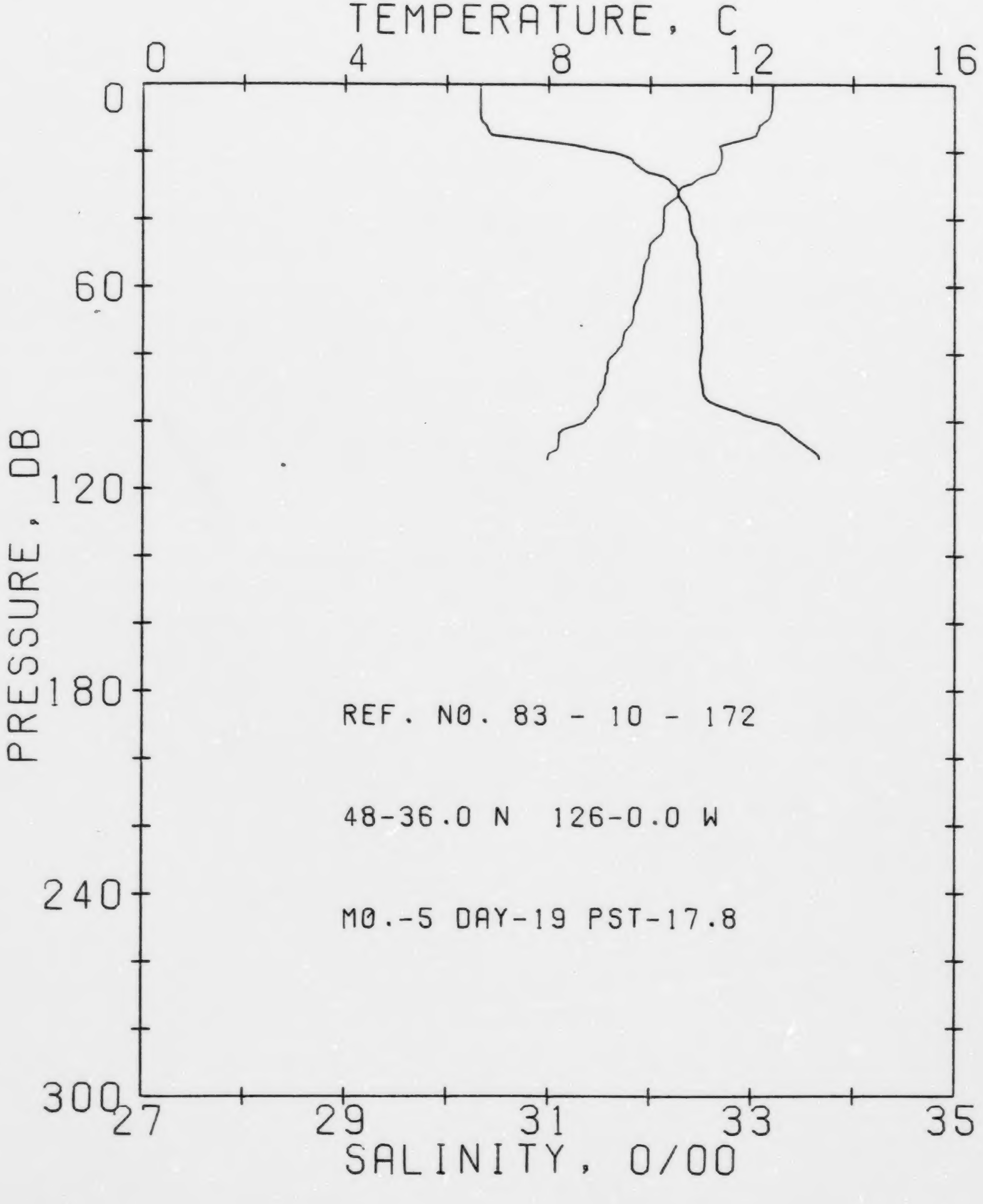
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0
4
8
12
16
0
60
120
180
240
300
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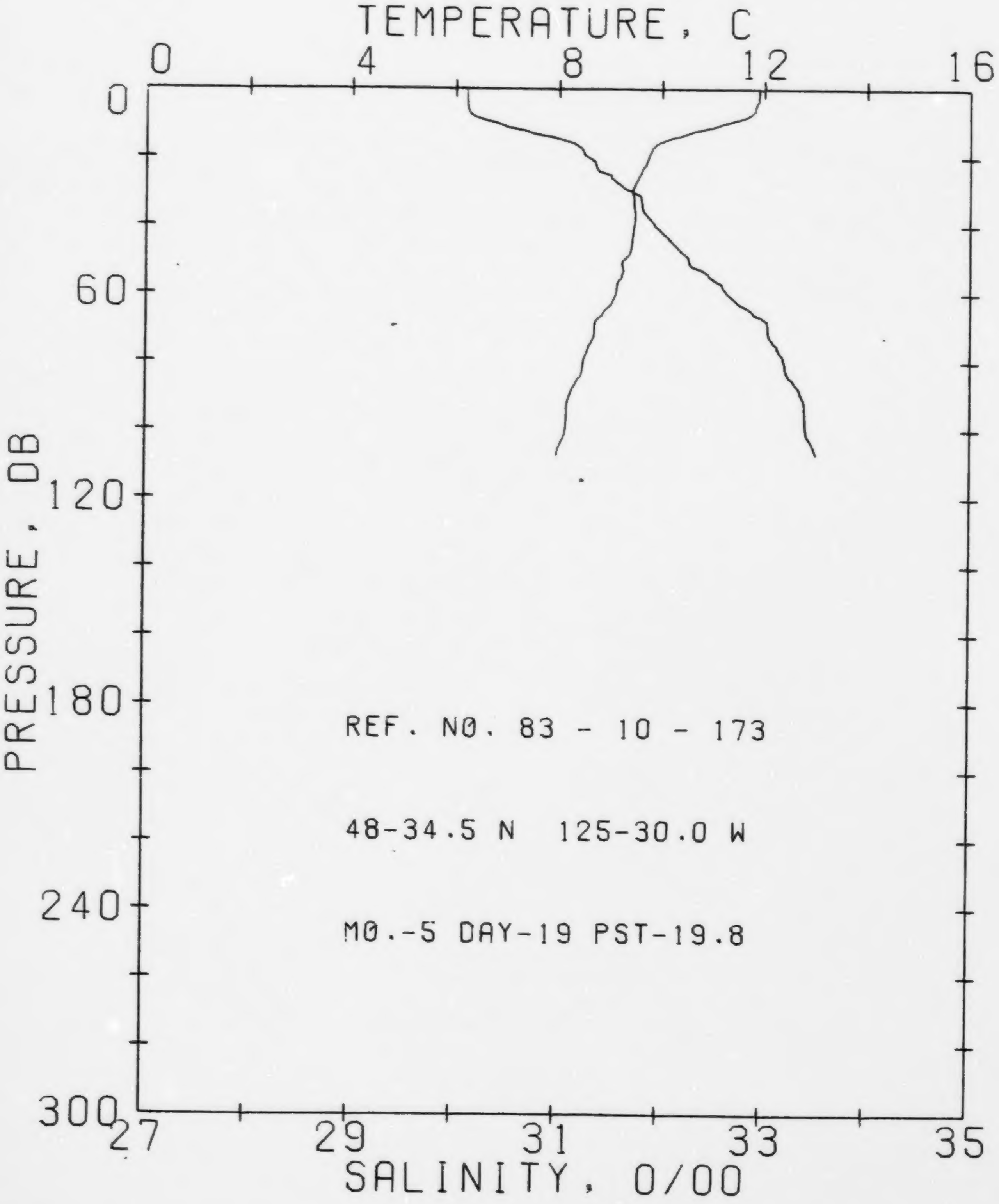
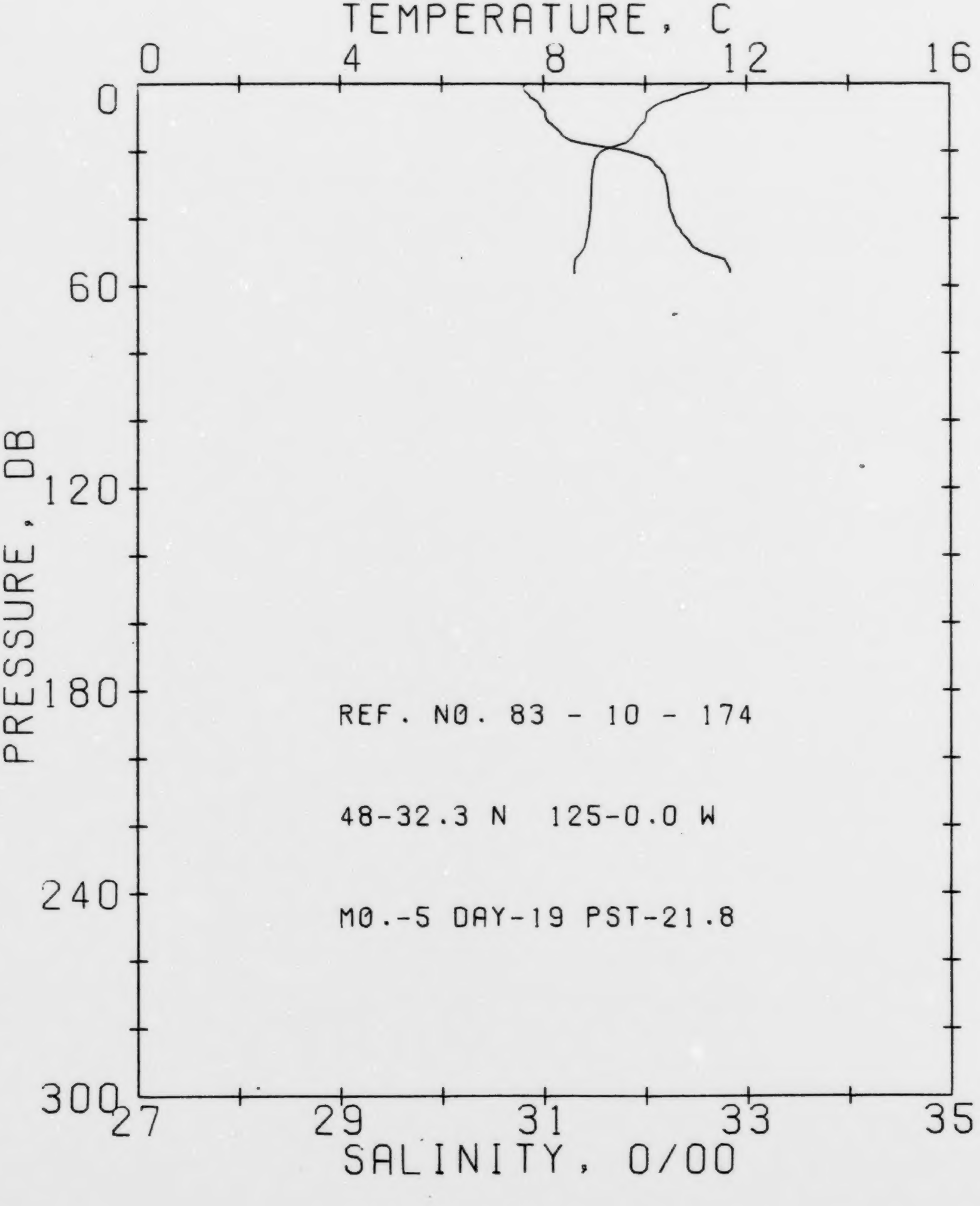
REF. NO. 83 - 10 - 172
48-36.0 N 126-0.0 W
MO.-5 DAY-19 PST-17.8
27
29
31
33
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-172        DATE 19/ 5/83
POSITION  48-36.0N, 126-  .0W        17.8       STATION P 2
RESULTS OF STP CAST   112 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   12.43   30.33       0    22.92   495.2     .00     .00   1493.
   10   12.35   30.33      10    22.93   493.8     .49     .03   1493.
   20   11.42   31.64      20    24.11   381.5     .95     .09   1492.
   30   10.64   32.26      30    24.73   322.7    1.30     .18   1490.
   50    9.98   32.46      50    25.00   297.5    1.92     .43   1488.
   75    9.47   32.50      75    25.11   287.3    2.65     .90   1486.
  100    8.71   33.15      99    25.74   228.0    3.34    1.51   1485.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 83 - 10 - 173
48-34.5 N 125-30.0 W
MO.-5 DAY-19 PST-19.8
27
29
31
33
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-173         DATE 19/ 5/83
POSITION  48-34.5N, 125-30.0W         19.8       STATION P 1
RESULTS OF STP CAST   108 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA     DELTA     POT.   SOUND
                                    T               D        EN
   0    11.90    30.11       0    22.85   502.0      .00      .00   1491.
  10    11.18    30.43      10    23.22   467.0      .50      .03   1489.
  20     9.74    31.30      20    24.13   379.4      .91      .09   1485.
  30     9.42    31.72      30    24.52   343.3     1.27      .18   1485.
  50     9.24    32.27      50    24.97   300.4     1.92      .44   1485.
  75     8.59    33.13      75    25.74   227.7     2.57      .85   1484.
 100     8.15    33.41      99    26.03   200.6     3.10     1.32   1483.
```

304



REF. NO. 83 - 10 - 174

48-32.3 N 125-0.0 W

MO.-5 DAY-19 PST-21.8

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83-10-174         DATE 19/ 5/83
POSITION  48-32.3N, 125-  .0W        21.8       STATION JF4
RESULTS OF STP CAST    57 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T               D       EN
   0    11.30   30.82       0    23.50  439.7      .00     .00  1490.
  10    10.03   31.02      10    23.87  404.1      .42     .02  1486.
  20     9.12   31.84      20    24.65  330.0      .80     .08  1483.
  30     8.94   32.22      30    24.98  299.4     1.11     .16  1483.
  50     8.73   32.57      50    25.28  270.7     1.69     .39  1483.
```

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83- 10- 10 DATE 4/ 5/83 21.9
POSITION 52- 9.5 N, 131-38.9 W STATION QC5
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	9.93		6.850
10	9.92		6.830
20	9.87		6.830
30	10.05		6.760
50	9.43		6.630
75	8.91		6.270
100	8.32		6.090
150	7.46		4.350
200	6.72		2.920
300	5.74		2.180
400	5.22		1.670
500	4.72		1.220
600	4.38		.920
799	3.79		.470
997	3.36		.400
1195	2.96		.380

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83- 10- 19 DATE 5/ 4/83 2.7
POSITION 52-48.8 N, 132-26.0 W STATION QC14
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	10.24		6.860
10	10.20		6.890
20	10.07		6.890
30	9.82		6.700
50	9.14		6.630
75	8.42		6.370
100	8.11		5.490
125	7.88		5.030
150	7.73		4.270
175	7.19		3.820
200	6.53		3.030
250	6.14		2.620
299	5.51		2.040
399	5.00		1.450
499	4.50		.960
599	4.21		.730
798	3.78		.350

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83- 10- 29 DATE 7/ 5/83 1.5
POSITION 53-44.5 N, 133-47.0 W STATION QC22
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	9.56		6.780
10	9.55		6.790
20	9.34		6.820
30	9.22		6.800
50	8.21		6.640
75	7.82		6.690
100	7.78		5.820
125	7.31		5.080
150	6.87		4.160
175	6.55		3.790
200	6.32		3.510
249	5.80		2.950
299	5.49		2.380
397	4.84		1.550
496	4.34		1.200
594	4.22		.780
791	3.70		.440
990	3.23		.360
1190	2.91		.440
1394	2.55		.560

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83- 10- 76 DATE 10/ 5/83 19.7
POSITION 53-56.0 N, 131- 3.2 W STATION R3
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0	10.15	31.141	7.324
10	10.05	31.144	7.295
20	9.71	31.321	6.826
30	9.44	31.387	6.600
50	9.52	31.509	6.627
72	8.45	31.809	5.747

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83- 10- 80 DATE 12/ 5/83 1.2
POSITION 53-15.5 N, 130-41.0 W STATION W7
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.194
10			7.153
20			6.916
30			6.459
50			6.246
75			5.705
100			5.462
125			3.498
150			2.734
175			2.380

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83- 10- 83 DATE 12/ 5/83 2.6
POSITION 53-14.0 N, 130-51.1 W STATION W9
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.100
10			7.423
20			6.586
30			6.070
50			6.030
75			5.871
100			5.423

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83- 10- 92      DATE 13/ 5/83        14.8
POSITION   52-22.2 N,  131- 5.3 W                  STATION M12
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                    7.399
   10                    7.414
   20                    7.007
   30                    6.626
   50                    6.313
   75                    5.806
  100                    6.042
  115                    4.686
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83- 10- 94      DATE 13/ 5/83        16.0
POSITION   52-24.0 N,  130-56.0 W                  STATION M11
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                    7.480
   10                    7.301
   20                    6.973
   30                    6.648
   50                    6.326
   75                    5.957
  100                    5.819
  120                    4.797
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83- 10- 98      DATE 13/ 5/83         18.2
POSITION    52-28.4 N,  130-29.0 W                  STATION M8
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

    0                 6.987
   10                 7.037
   20                 7.053
   30                 6.510
   50                 6.605
   75                 6.091
  100                 6.104
  125                 5.778
  150                 4.688
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83- 10-101      DATE 13/ 5/83         20.6
POSITION   52-31.5 N,  130-10.8 W                   STATION M6
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

    0                 6.908
   10                 5.954
   20                 6.954
   30                 6.659
   50                 6.612
   75                 6.218
  100                 6.017
  125                 5.431
  150                 3.802
  175                 2.839
  200                 2.427
  250                 1.935
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83- 10-104       DATE 13/ 5/83        22.0
POSITION   52-33.9 N,  129-56.6 W                   STATION M4
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL    OXY

   0                  6.876
  10                  7.417
  20                  6.780
  30                  6.609
  50                  6.294
  75                  6.009
 100                  5.942
 125                  4.937
 150                  3.779
 175                  2.909
 200                  2.141
 250                  1.947
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83- 10-107       DATE 13/ 5/83        23.9
POSITION   52-37.0 N,  129-37.8 W                   STATION M2
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL    OXY

   0                  6.982
  10                  7.186
  20                  6.864
  30                  6.585
  50                  6.378
  75                  6.011
 100                  5.311
 125                  4.252
 150                  3.731
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83- 10-128       DATE 15/ 5/83        17.4
POSITION   53-19.1 N,  130-19.3 W                   STATION W2
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                   7.010
   10                   7.053
   20                   6.568
   30                   6.445
   50                   6.335
   75                   5.973
  100                   5.304
  115                   5.148
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83- 10-132       DATE 15/ 5/83        19.2
POSITION   53-16.6 N,  130-33.9 W.                  STATION W5
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                   6.832
   10                   6.662
   20                   6.539
   30                   6.452
   50                   6.045
   75                   5.646
  100                   4.558
  125                   3.160
  150                   2.957
```

```
OFFSHORE OCEANOGRAPHY GROUP
PEFERENCE NO. 83- 10-135      DATE 15/ 5/83         20.4
POSITION    53-15.5 N,  130-41.0 W                  STATION W7
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                    6.989
   10                    6.946
   20                    6.773
   30                    6.301
   50                    5.964
   75                    5.705
  100                    5.017
  125                    3.288
  150                    2.932
  175                    2.600
  185                    2.600
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83- 10-165      DATE 17/ 5/83         14.3
POSITION    50-38.0 N,  131- 8.3 W                  STATION H05
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0   11.31   31.629   6.341
   10   11.29   31.621   6.577
   20   11.28   31.619   6.588
   30   10.79   32.001   6.664
   50    9.70   32.433   6.645
   75    8.25   32.460   6.772
   99    7.68   32.485   6.645
  124    7.53   32.793   5.765
  148    7.78   33.308   4.188
  173    7.38   33.625   3.472
  197    7.18   33.766   3.328
  246    6.53   33.897   2.924
  294    6.06   33.943   2.452
  391    4.97   34.006   1.445
  486    4.52   34.076   1.050
  581    4.18   34.151    .668
  771    3.66   34.282    .454
  961    3.29   34.360    .359
 1153    2.90   34.431    .470
 1447    2.45   34.498    .755
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 83- 10-170       DATE 19/ 5/83         14.1
POSITION    48-39.0 N,  126-40.0 W                   STATION P04
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL      OXY

    0   12.18   32.047   6.405
   10   12.12   32.046   6.444
   20   11.72   32.209   6.502
   30   10.65   32.417
   50    9.87   32.484   6.244
   75    9.49   32.487   6.229
  100    9.33   32.635   5.852
  125    9.45   33.227   4.332
  150    8.85   33.562   3.454
  175    8.27   33.796   2.872
  199    7.75   33.868   2.926
  249    6.87   33.952   2.690
  299    6.35   34.006   1.793
  398    5.61   34.031   1.353
  497    5.09   34.109    .779
  596    4.66   34.164    .453
  795    3.89   34.288    .284
  995    3.38   34.387    .323
 1196    2.99   34.445    .436
 1262    2.86   34.470    .542
```